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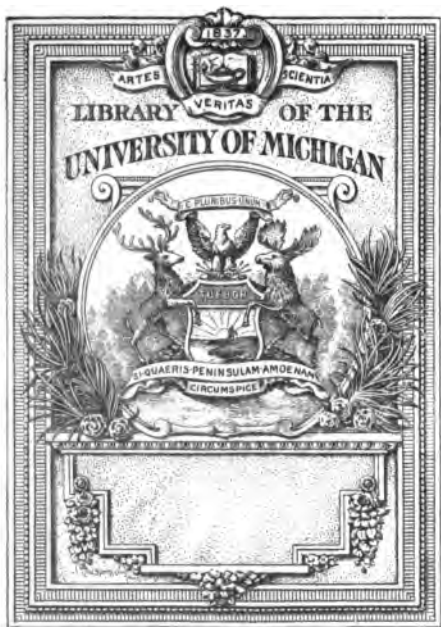
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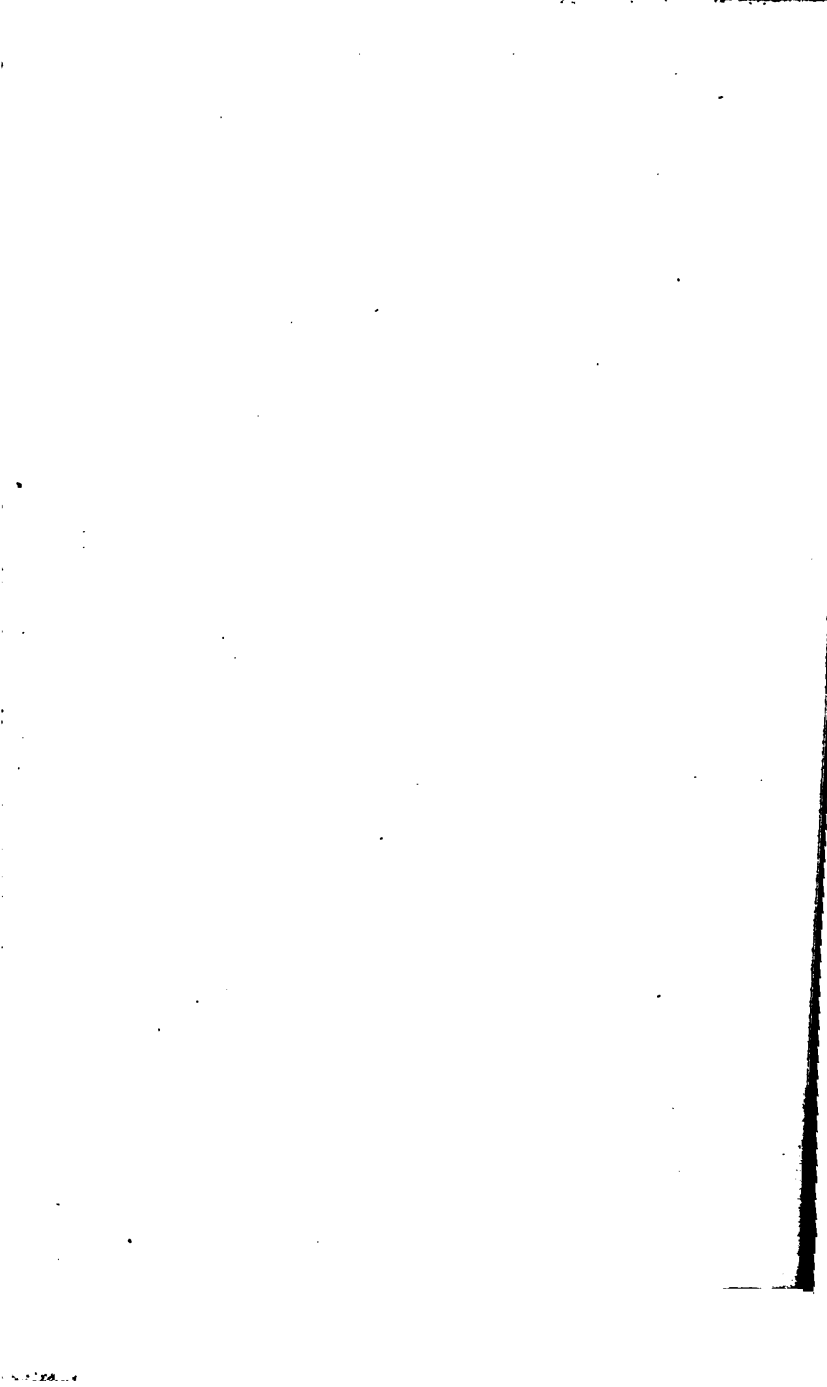
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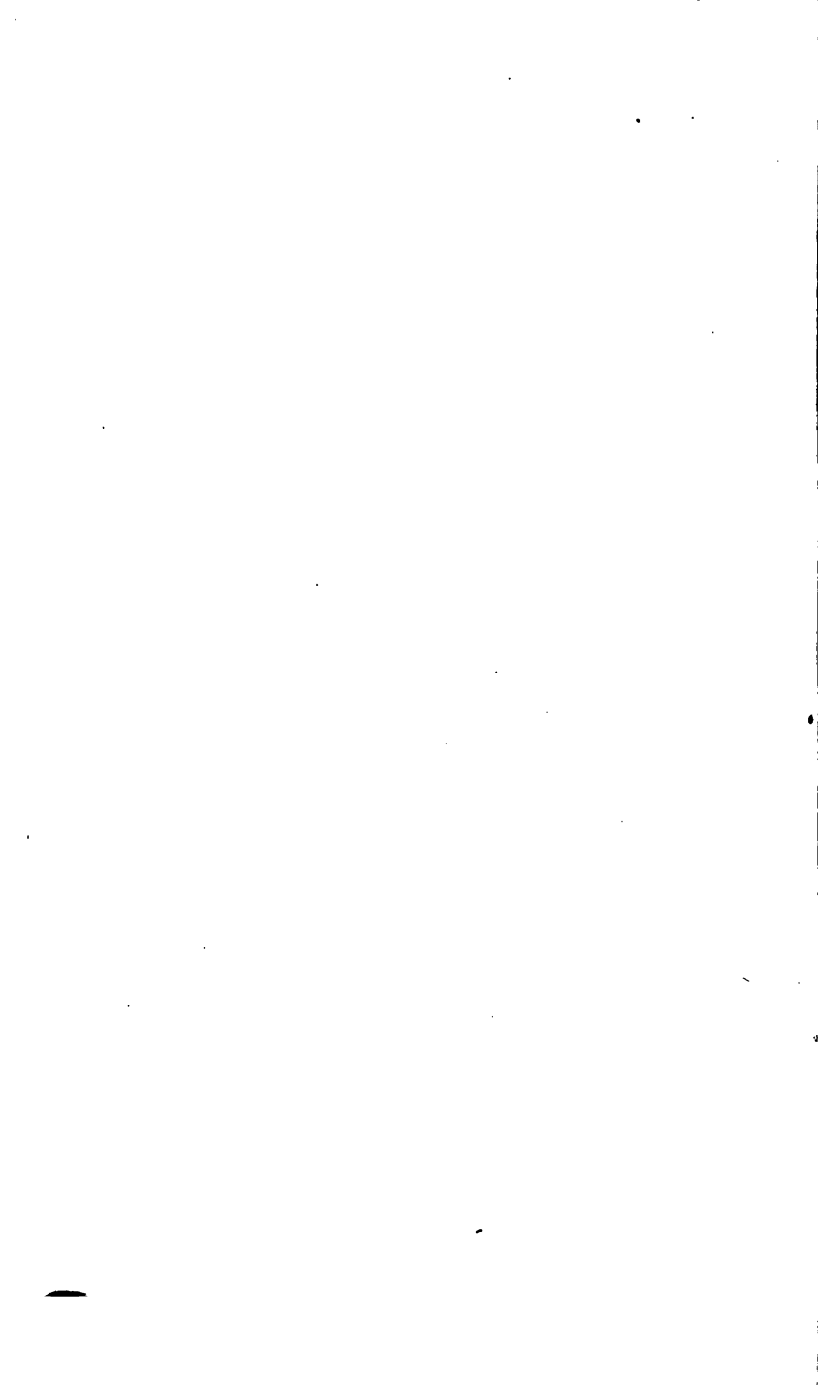


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THE



# AMERICAN ALMANAC

AND

REPOSITORY

OF

USEFUL KNOWLEDGE,

FOR THE YEAR

**1849.**

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BOSTON:

CHARLES C. LITTLE AND JAMES BROWN.

1848.

... ..

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## P R E F A C E.

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THE twentieth volume of the American Almanac, being the tenth volume of the second series, is now offered to the public. The volume for 339, which was the tenth volume of the first series, contained an index of such matters in those ten volumes as were not common to all the volumes of the Almanac. A similar index to the ten volumes of the second series is appended to this volume. Unwearied pains have been taken to collect full, authentic, and varied information concerning the complex affairs of the general and State governments; and a mass of official documents and private correspondence has been digested relating to the government, finances, legislation, public institutions, internal improvements, and resources of the United States. It is believed that the present volume is equal to its predecessors in fulness and accuracy, and that it will sustain the high character of the American Almanac as a trustworthy manual for reference, and a full repository of useful knowledge.

The Astronomical Department has been, as usual, under the direction of Professor Peirce, whose high reputation is a sufficient guaranty of the completeness and accuracy of the computations. The article upon the Coast Survey will give a distinct idea of this great national work, of the method of conducting the survey, and of the benefits that have already resulted from it to science, commerce, and navigation. The Meteorological Information is full, embracing points in all parts of the United States. The returns for consecutive years from the same places, and by the same observers, give a continuous series of observations of great value.

In the Second Part of the volume, the chapters upon the several Departments will be found to be full and accurate, having been corrected at Washington to the latest dates. The account of the dead-letter office, the rates of postage to foreign countries, and the tables of the extent of territory acquired by the recent treaty, will be found interesting and valuable. The article upon Population as affected by Immigration points out the true method of estimating the number of immigrants. The extent and rapid growth of the undeveloped resources of the country are practically exhibited in the articles upon the Ice-Trade and the Commerce of the Lakes

and Western Rivers. The Statistics of the Army in Mexico show the fearful ravages of disease among the soldiers. The tabular view of all the railroads in this country is continued from the last volume ; and the comparative view of the debts, property, and general financial condition of all the States, has been corrected with great care from the latest official returns. The table of the Traffic of the German Railways will be new to most of our readers. The titles of the public laws and joint resolutions are given as last year. The abstracts of the laws have been carefully prepared, and made more full than formerly. They are now sufficiently full for all but professional use. The information concerning the individual States is as full as in former years. Should any one note inaccuracies or deficiencies therein, he is urgently asked to correct them. The European part of the work has been thoroughly revised, and is believed to be accurate. The Chronicle of Events and the Obituary Notices are more extended than in former years.

The thanks of the Editor are particularly due to the heads of Departments at Washington, and to his many contributors and correspondents, to whom the work is indebted for a great part of its value. A continuance of their favors is respectfully solicited. A work embracing such a multitude of facts must necessarily contain some errors : persons who detect any are earnestly requested to communicate them to the Editor. It is particularly desirable that these communications should not be anonymous. It is frequently a source of regret to the Editor that he cannot suitably acknowledge the valuable hints and assistance of anonymous correspondents. It is a matter of some public interest, that a periodical which circulates so widely, both in Europe and America, and which is so universally trusted as a manual for reference, should be rendered as accurate as possible ; and this end can be obtained only by the coöperation of many individuals. Communications should be addressed to the "Editor of the American Almanac," Boston.

*Boston, Mass., Sept. 30, 1848.*

# CONTENTS.

## PART I.

### CALENDAR AND CELESTIAL PHENOMENA FOR THE YEAR 1849.

| PAGE  | PAGE  |
|---|-------|
| Celestial Phenomena, Signs, &c., . . . . .  | 3     |
| Chronological Cycles, . . . . .             | 4     |
| Signs of the Zodiac, . . . . .              | 4     |
| Beginning and Length of the Seasons, . .    | 4     |
| Movable Festivals of the Church, . . . . .  | 5     |
| Jewish Calendar, . . . . .                  | 5     |
| Mahometan Calendar, . . . . .               | 6     |
| Height of the Greatest Tides, . . . . .     | 7     |
| Darkness of the Nights in 1849, . . . . .   | 8     |
| CALENDAR: — January, &c., . . . . .         | 10    |
| Eclipses in 1849, . . . . .                 | 34    |
| Occultations, . . . . .                     | 37    |
| Eclipses of Jupiter's Satellites, . . . . . | 40    |
| Discs of Venus and Mars, . . . . .          | 41    |
| Rings of Saturn, . . . . .                  | 42    |
| Latitude and Longitude of Places, . . . . . | 43    |
| Latitude and Longitude of Observatories, .  | 46    |
| Ephemeris of the Sun, . . . . .             | 47    |
| Apparent Places of the Pole Star, . . . . . | 53    |
| Places of the Principal Fixed Stars, . . .  | 55    |
| Dr. Young's Refractions, . . . . .          | 63    |
| Sun's Parallax in Altitude, . . . . .       | 64    |
| The Coast Survey of the United States, .    | 65    |
| METEOROLOGICAL INFORMATION: — Tables        |       |
| for Saco, Cambridge, Mendon, Lowell,        |       |
| Worcester, New York, Lambertville,          |       |
| Washington, Chapel Hill, Savannah,          |       |
| Natchez, Bloomington, Frosts and Snows,     |       |
| &c., at Lambertville, Flowering of Fruit-   |       |
| trees, Flowering of Trees, Shrubs, &c., at  |       |
| Natchez, . . . . .                          | 83-94 |

## PART II.

### UNITED STATES.

|  |     |   |          |
|--|-----|---|----------|
| List of Presidents, . . . . .            | 97  | Foreign Ministers, . . . . .            | 125      |
| 1. Executive Government, . . . . .       | 97  | Foreign Consuls in the United States, . | 126      |
| Officers in the Departments, . . . . .   | 98  | 7. Congress, . . . . .                  | 130      |
| Postmasters in the Chief Cities, . . . . | 100 | Senate, . . . . .                       | 130      |
| Collectors of Customs, . . . . .         | 103 | House of Representatives, . . . . .     | 132      |
| 2. The Judiciary, . . . . .              | 104 | Alphabetical List of Representatives, . | 135      |
| Circuit Courts, . . . . .                | 104 | 8. Commerce and Navigation, . . . . .   | 137      |
| Supreme Court, . . . . .                 | 106 | Value of Imports, . . . . .             | 137, 139 |
| District Courts, . . . . .               | 106 | Value of Exports, . . . . .             | 142      |
| 3. Army List, . . . . .                  | 110 | Imports from and Exports to Foreign     |          |
| Staff Officers, . . . . .                | 110 | Countries, . . . . .                    | 144      |
| Military Geographical Divisions, . . . . | 111 | Tonnage of Vessels in Foreign Trade, .  | 145      |
| Arsenals, . . . . .                      | 112 | Vessels built in the United States, . . | 146      |
| Military Posts, . . . . .                | 113 | Imports and Exports of each State, .    | 147      |
| Pay of Army Officers, . . . . .          | 114 | Comp. View of Tonnage of U. S., . .     | 147      |
| Militia Force of the United States, . .  | 115 | 9. Post-office Establishment, . . . . . | 148      |
| 4. Navy List, . . . . .                  | 115 | Mail Service for 1847, . . . . .        | 148      |
| Pay of the Navy, . . . . .               | 117 | Number of Post-offices, &c., . . . . .  | 149      |
| Vessels of War of the Navy, . . . . .    | 117 | Revenue under New Law, . . . . .        | 150      |
| 5. The Marine Corps, . . . . .           | 119 | Compensation of Postmasters, . . . .    | 151      |
| 6. Intercourse with Foreign Nations, . . | 120 | Rates of Postage, . . . . .             | 152      |
| Ministers in Foreign Countries, . . . .  | 120 | Privilege of Franking, . . . . .        | 153      |
| Consuls in Foreign Countries, . . . . .  | 121 | Postage to Europe, . . . . .            | 154      |

|   |     |   |     |
|---|-----|---|-----|
| Dead-Letter Office, .....   | 156 | 21. Smithsonian Institution, .....                                    | 189 |
| 10. Revenue and Expenditure, .....  | 157 | 22. Religious Denominations, .....                                    | 190 |
| Debt of the United States, .....  | 160 | 23. State Elections, &c., .....                                       | 190 |
| U. S. Revenue from 1789 to 1847, ..                                       | 161 | 24. Governors of States and Territories, ..                           | 191 |
| U. S. Expenditure from 1789 to 1847, ..                                   | 162 | 25. Population of the United States, ....                             | 192 |
| Imports, Exports, &c., for 57 years, ..                                   | 163 | 26. Slaves in the United States, .....                                | 192 |
| 11. Public Lands, .....   | 164 | 27. Statistics of the Army employed during the War with Mexico, ..... | 193 |
| 12. Mint, .....   | 167 | 28. Railroads in the United States, ....                              | 198 |
| Coinage of the Mint for 55 years, ....                                    | 169 | 29. Traffic of German Railways in 1847, ..                            | 204 |
| 13. Increase of Population in the U. S. as affected by Immigration, ..... | 170 | 30. Titles and Abstracts of Public Laws, ..                           | 205 |
| 14. The Ice-Trade of the United States, ..                                | 175 | 31. Public Resolutions, .....   | 217 |
| 15. Immigration to the U. S. in 1847, ..                                  | 181 | 32. Commerce of the Lakes and Western Rivers, .....                   | 218 |
| 16. Finances of the States, .....   | 182 | Length of Lake Coast, .....   | 221 |
| 17. Colleges in the United States, .....                                  | 184 | 33. Population of the Principal Cities, ..                            | 223 |
| 18. Theological Schools, .....  | 188 | 34. Table of some of the Principal Cities in the United States, ..... | 223 |
| 19. Law Schools, .....  | 188 |   |     |
| 20. Medical Schools, .....  | 189 |   |     |

## INDIVIDUAL STATES.

|                           |     |                                 |     |
|---------------------------|-----|---------------------------------|-----|
| 1. Maine, .....           | 225 | 17. Alabama, .....              | 274 |
| 2. New Hampshire, .....   | 227 | 18. Mississippi, .....          | 276 |
| 3. Vermont, .....         | 231 | 19. Louisiana, .....            | 279 |
| 4. Massachusetts, .....   | 233 | 20. Texas, .....                | 281 |
| 5. Rhode Island, .....    | 239 | 21. Arkansas, .....             | 287 |
| 6. Connecticut, .....     | 241 | 22. Tennessee, .....            | 289 |
| 7. New York, .....        | 244 | 23. Kentucky, .....             | 291 |
| 8. New Jersey, .....      | 250 | 24. Ohio, .....                 | 293 |
| 9. Pennsylvania, .....    | 253 | 25. Michigan, .....             | 296 |
| 10. Delaware, .....       | 256 | 26. Indiana, .....              | 299 |
| 11. Maryland, .....       | 257 | 27. Illinois, .....             | 302 |
| 12. Virginia, .....       | 260 | 28. Missouri, .....             | 304 |
| 13. North Carolina, ..... | 267 | 29. Iowa, .....                 | 306 |
| 14. South Carolina, ..... | 268 | 30. Wisconsin, .....            | 307 |
| 15. Georgia, .....        | 271 | 31. Oregon Territory, .....     | 311 |
| 16. Florida, .....        | 273 | 32. District of Columbia, ..... | 313 |

|                        |     |                                   |     |
|------------------------|-----|-----------------------------------|-----|
| American States, ..... | 314 | British American Provinces, ..... | 314 |
|------------------------|-----|-----------------------------------|-----|

## EUROPE.

|                                      |     |                      |     |
|--------------------------------------|-----|----------------------|-----|
| Reigning Sovereigns of Europe, ..... | 315 | Great Britain, ..... | 317 |
| States of Europe, .....              | 316 | Parliament, .....    | 321 |
| France, .....                        | 317 |                      |     |

|                            |     |                                  |     |
|----------------------------|-----|----------------------------------|-----|
| American Obituary, .....   | 323 | General Index, .....             | 358 |
| Chronicle of Events, ..... | 341 | Index to the Obituary, .....     | 362 |
| Magnetic Telegraph, .....  | 356 | Additions and Corrections, ..... | 370 |



# INDEX.

|   | PAGE     |  | PAGE     |
|---|----------|--|----------|
| Abstracts of Public Laws .....                | 205      | Electric Telegraph, The.....                           | 355      |
| Alabama.....                                  | 274      | Emigration to the U. S. in 1847 .....                  | 181      |
| American Obituary.....                        | 323      | Ephemeris of the Sun .....                             | 47       |
| American States.....                          | 314      | European States .....                                  | 316      |
| Appropriations for 1849 .....                 | 205      | Events, General, in 1847 .....                         | 341      |
| Arkansas.....                                 | 287      | "    "    1848 .....                                   | 346      |
| Army List.....                                | 110      | Executive Government .....                             | 97       |
| Army Officers, Pay of.....                    | 114      | Expenditures of U. S. for 58 years .....               | 162      |
| Army in Mexico, Statistics of.....            | 193      | Exports of each State for 1847 .....                   | 147      |
| Arsenals in the United States .....           | 112      | Exports, Value of, in 1847.....                        | 142      |
| Articles imported in 1847 .....               | 137      | Exports for 57 years .....                             | 163      |
| Articles exported in 1847 .....               | 142      | Festivals of the Church.....                           | 5        |
| Banks. See the several States.                |          | Finances of the States.....                            | 182, 183 |
| British American Provinces.....               | 314      | Fixed Stars, Apparent Places of .....                  | 55       |
| Cabinet, Officers in the .....                | 97       | Florida.....   | 273      |
| Calendar: January, &c.....                    | 10       | Flowering of Fruit-trees in 1848 .....                 | 94       |
| Capitals of States.....                       | 190      | Flowering of Fruit-trees for 9 years .....             | 94       |
| Celestial Phenomena, Signs, &c.....           | 3        | Flowering of Trees and Shrubs at Natchez in 1848 ..... | 94       |
| Chargés d'Affaires of U. S. in 1848.....      | 121      | Foreign Goods imported.....                            | 137      |
| Chronicle of Events .....                     | 341      | Foreign Ministers .....                                | 125      |
| Chronological Cycles .....                    | 4        | Foreign Trade, Countries of .....                      | 145      |
| Church Festivals.....                         | 5        | France .....   | 317      |
| Circuit Courts .....                          | 104, 107 | Franking Privilege .....                               | 153      |
| Cities, Population of .....                   | 223      | Frosts and Snows for 9 years .....                     | 94       |
| Cities, Table of Principal .....              | 223      | Fruit-trees, Flowering of, for 9 years ....            | 94       |
| Coast Survey of the U. S. ....                | 65       | General Events in 1847 .....                           | 341      |
| Collectors of Customs.....                    | 103      | "    "    1848 .....                                   | 346      |
| Colleges .....                                | 184      | Georgia .....  | 271      |
| Colleges, Annual Expenses in .....            | 187      | Government, Seats of, in different States ..           | 190      |
| Commerce.....                                 | 137      | Governors of States.....                               | 191      |
| Commerce of the Lakes and Western Rivers..... | 218      | Great Britain .....                                    | 317      |
| Commercial Marine of the U. S. ....           | 146      | House of Commons .....                                 | 322      |
| Commissioners, U.S., in Foreign Countries     | 120      | House of Lords.....                                    | 321      |
| Commons, House of .....                       | 322      | Ice-Trade of the U. S.....                             | 175      |
| Congress .....                                | 130      | Illinois .....   | 302      |
| Connecticut .....                             | 241      | Illinois, New Constitution of.....                     | 302      |
| Consuls, Foreign, in U. S.....                | 126      | Immigration as affecting Population in the U. S.....   | 170      |
| Consuls in Foreign Countries .....            | 121      | Import, Articles of, in 1846 and 1847 ..               | 137, 139 |
| Corrections and Additions.....                | 370      | Imports for 58 years .....                             | 163      |
| Countries whence Goods are brought ....       | 144      | Imports of each State for 1847 .....                   | 147      |
| Darkness of the Nights.....                   | 8        | Imports paying ad valorem Duties ..                    | 137, 141 |
| Dead-Letter Office .....                      | 156      | Imports paying Specific Duties.....                    | 138, 141 |
| Dead Letters, Number and Contents of ..       | 156      | Indiana .....  | 299      |
| Debt of the United States .....               | 160, 163 | Intercourse with Foreign Nations .....                 | 120      |
| Debts of the States .....                     | 182, 183 | Iowa.....  | 206      |
| Delaware.....                                 | 256      | Jewish Calendar .....                                  | 5        |
| Departments, Officers in the .....            | 98-100   | Judiciary, U. S. ....                                  | 104      |
| Discs of Venus and Mars .....                 | 41       | Jupiter's Satellites, Eclipses of.....                 | 40       |
| District Courts .....                         | 106, 108 | Kentucky .....   | 291      |
| District of Columbia .....                    | 313      | Lakes and Western Rivers, Commerce of                  | 218      |
| Eclipses in 1849 .....                        | 34       | Latitude and Longitude of Places .....                 | 43       |
| Elections, State .....                        | 190      |  |          |

|  |         |   |          |
|--|---------|---|----------|
| Law Schools .....                          | 188     | Railroads in Construction in New Eng-       |          |
| Laws, Abstracts of Public .....            | 205     | land .....                                  | 200      |
| Legislatures, State, Meeting of .....      | 190     | Railroads in the U. S. ....                 | 198      |
| Lords, House of .....                      | 321     | Railways, German, Traffic in 1847 .....     | 204      |
| Louisiana .....                            | 279     | Refractions, Dr. Young's .....              | 63       |
| Magnetic Telegraph, The .....              | 356     | Religious Denominations .....               | 190      |
| Mahometan Calendar .....                   | 6       | Representatives, Alphabetical List of ..... | 135      |
| Mail Service for 1847 .....                | 148     | Representatives, House of .....             | 132      |
| Maine .....                                | 225     | Resolutions, Public, of 1st Session, 30th   |          |
| Marine, Commercial, of the U. S. ....      | 146     | Congress .....                              | 217      |
| Marine Corps .....                         | 119     | Revenue and Expenditure .....               | 157      |
| Maryland .....                             | 257     | Revenue, U. S., for 58 years .....          | 161      |
| Massachusetts .....                        | 233     | Rhode Island .....                          | 239      |
| Massachusetts, Railroads of .....          | 198     | Satellites of Jupiter, Eclipses of .....    | 40       |
| Medical Schools .....                      | 189     | Saturn's Rings .....                        | 42       |
| Meteorological Information .....           | 83-94   | Seasons, Beginning and Length of .....      | 4        |
| Mexico .....                               | 314     | Senate of the U. S. ....                    | 130      |
| Michigan .....                             | 296     | Signs of the Planets .....                  | 3        |
| Military Departments .....                 | 111     | Slaves in the U. S. ....                    | 192      |
| Military Posts .....                       | 113     | Smithsonian Institution .....               | 189      |
| Militia Force of the U. S. ....            | 115     | Snows, Frosts and, for nine Years .....     | 94       |
| Ministers of U. S. in Foreign Countries .. | 120     | South Carolina .....                        | 268      |
| Mint .....                                 | 167     | Southern Railroads .....                    | 202      |
| Mississippi .....                          | 276     | Sovereigns of Europe .....                  | 315      |
| Missouri .....                             | 304     | Specific Duties. See Imports.               |          |
| Navigation .....                           | 145-147 | Stars, Fixed, Apparent Places of .....      | 55       |
| Navy Department .....                      | 99      | State Department .....                      | 98       |
| Navy List .....                            | 115     | State Elections, &c. ....                   | 190      |
| Navy Officers, Pay of .....                | 117     | State Finances, Debts, &c. ....             | 182, 183 |
| Navy, Vessels of War in .....              | 117     | Sun, Ephemeris of the .....                 | 47       |
| New Hampshire .....                        | 227     | Sun's Parallax in Altitude .....            | 64       |
| New Jersey .....                           | 250     | Supreme Court .....                         | 106      |
| New York .....                             | 244     | Table of Cities .....                       | 223      |
| New York, Railroads in .....               | 202     | Telegraph, Magnetic .....                   | 356      |
| Nights, Darkness of the .....              | 8       | Telegraph, Lines of, in Operation .....     | 356      |
| North Carolina .....                       | 267     | Telegraph, Lines of, in Process of Con-     |          |
| Obituary, American, in 1847 .....          | 323     | struction .....                             | 357      |
| " " 1848 .....                             | 330     | Telegraph, Lines projected .....            | 357      |
| Observatories, Lat. and Long. of .....     | 46      | Tennessee .....                             | 289      |
| Occultations .....                         | 37      | Texas .....                                 | 281      |
| Ohio .....                                 | 293     | Texas, Government of, since its Organi-     |          |
| Oregon Territory .....                     | 311     | zation .....                                | 281      |
| Parallax in Altitude of the Sun .....      | 64      | Theological Schools .....                   | 188      |
| Pennsylvania .....                         | 253     | Tides, Height of Greatest .....             | 7        |
| Pensions, Naval, Act concerning .....      | 215     | Tonnage of the U. S. ....                   | 145-147  |
| Pole Star, Places of the .....             | 53      | Trade, Foreign, Countries of .....          | 145      |
| Population of U. S., Increase by Immigra-  |         | Traffic of German Railways in 1847 .....    | 204      |
| tion .....                                 | 170     | Treasury Department .....                   | 98       |
| Population of Cities .....                 | 223     | Ventilation of Passenger Vessels .....      | 209      |
| Population of the U. S. ....               | 192     | Venus and Mars, Discs of .....              | 41       |
| Postage, Rates of .....                    | 152     | Vermont .....                               | 231      |
| Postage by the New York and Bremen         |         | Vessels of War in U. S. Navy .....          | 117      |
| Steamers .....                             | 154     | Virginia .....                              | 260      |
| Postage to Europe .....                    | 154     | Virginia, Congressional Districts in, from  |          |
| Postmasters .....                          | 100     | 1790 to 1840 .....                          | 264      |
| Postmasters, Compensation of .....         | 151     | Virginia, Representative Population from    |          |
| Post-office, Business of .....             | 151     | 1790 to 1840 .....                          | 264      |
| Post-office Department .....               | 100     | War Department .....                        | 99       |
| Post-office Establishment .....            | 148     | Western Railroads .....                     | 203      |
| Post-office Revenue under the New Law ..   | 150     | Western Rivers and Lakes, Commerce of       | 218      |
| Presidents of the U. S. ....               | 97      | Wisconsin .....                             | 307      |
| Public Lands .....                         | 164     | Wisconsin, Constitution, Congressional      |          |
| Public Laws, Abstracts of .....            | 205     | Districts, and Census of .....              | 307-311  |
| Public Resolutions of Congress .....       | 217     | Young's Refractions .....                   | 63       |
| Railroads, Accidents upon, in Massachu-    |         | Zodiac, Signs of the .....                  | 4        |
| setts .....                                | 201     |   |          |

THE  
AMERICAN ALMANAC,  
FOR  
1849.

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PART I.



# THE AMERICAN ALMANAC,

FOR THE YEAR

## 1849,

Being the latter part of the 73d, and the beginning of the 74th year of the Independence of the United States of America ;

- “ the 6562d year of the Julian Period ;
- “ the latter part of the 5609th, and the beginning of the 5610th year since the creation of the world, according to the Jews ;
- “ the 2602d year (according to Varro) since the foundation of Rome ;
- “ the 2596th year since the era of Nabonassar, which has been assigned to Wednesday, the 26th of February, of the 3967th year of the Julian Period, which corresponds, according to the chronologists, to the 747th, and, according to the astronomers, to the 746th year before the birth of Christ ;
- “ the 2625th year of the Olympiads, or the first year of the 657th Olympiad, beginning in July, 1849, if we fix the era of the Olympiads at 775½ years before Christ, or at or about the beginning of July of the year 3938 of the Julian Period ;
- “ the latter part of the 1265th, and the beginning of the 1266th year (of twelve lunations) since the Hegira, or flight of Mahomet, which, as is generally supposed, took place on the 16th of July, in the year 622 of the Christian era.

### I. CALENDAR

### AND CELESTIAL PHENOMENA FOR THE YEAR.

#### SIGNS OF THE PLANETS, &c.

|   |           |                       |
|---|-----------|-----------------------|
| ☉ The Sun.  | ♂ Mars.   | ♃ Jupiter.            |
| ♁ The Earth.  | ♄ Vesta.  | ♄ Saturn.             |
| ☾ The Moon.   | ♅ Juno.   | ♆ Herschel or Uranus. |
| ☿ Mercury.  | ♆ Pallas. | ★ A fixed star.       |
| ♀ Venus.  | ♁ Ceres.  |                       |
| ♌ Conjunction, or having the same Longitude or Right Ascension. |           |                       |
| ☐ Quadrature, or differing 90° in “ “ “                         |           |                       |
| ♌ Opposition, or differing 180° in “ “ “                        |           |                       |
| ♌ The ascending, ♍ the descending node.                         |           |                       |

The sign  $+$  is prefixed to the latitude, or declination, of the Sun, or other heavenly body, when *north*, and the sign  $-$  when *south*; but the former prefixed to the hourly motion of the Moon in latitude indicates that she is approaching, and the latter that she is receding from, the *north* pole of the ecliptic.

The letters *M. A.*, *m. a.*, denote *Morning* and *Afternoon*.

### CHRONOLOGICAL CYCLES.

|                                  |      |                            |      |
|----------------------------------|------|----------------------------|------|
| Dominical Letters, . . . . .     | B, A | Solar Cycle, . . . . .     | 10   |
| Epact, . . . . .                 | 6    | Roman Indiction, . . . . . | 7    |
| Lunar Cycle, or Golden Number, 7 |      | Julian Period, . . . . .   | 6562 |

### SIGNS OF THE ZODIAC.

|               |                |               |                      |
|---------------|----------------|---------------|----------------------|
| Spring signs. | { 1. ♈ Aries.  | Autumn signs. | { 7. ♎ Libra.        |
|               | { 2. ♉ Taurus. |               | { 8. ♏ Scorpio.      |
|               | { 3. ♊ Gemini. |               | { 9. ♐ Sagittarius.  |
| Summer signs. | { 4. ♋ Cancer. | Winter signs. | { 10. ♑ Capricornus. |
|               | { 5. ♌ Leo.    |               | { 11. ♒ Aquarius.    |
|               | { 6. ♍ Virgo.  |               | { 12. ♓ Pisces.      |

### BEGINNING AND LENGTH OF THE SEASONS.

|                              |                   |             |            |
|------------------------------|-------------------|-------------|------------|
| Sun enters ♋ (Winter begins) | 1848, Dec. 21st,  | h. m. s.    | 10 52 2 M. |
| " " ♈ (Spring " )            | 1849, March 20th, | 0 4 26 A.   |            |
| " " ♋ (Summer " )            | " June 21st,      | 8 58 59 M.  |            |
| " " ♌ (Autumn " )            | " Sept. 22d,      | 10 55 10 A. |            |
| " " ♎ (Winter " )            | " Dec. 21st,      | 4 32 47 A.  |            |

Mean  
Time at  
Washing-  
ton Obser-  
vatory.

|  |              |            |
|--|--------------|------------|
| Sun in the Winter signs,                 | d. h. m. s.  | 89 1 12 24 |
| " " Spring " . . . . .                   | 92 20 54 33  |            |
| " " Summer " . . . . .                   | 93 13 56 11  |            |
| " " Autumn " . . . . .                   | 89 17 37 37  |            |
| " north of Equator, (Spring and Summer,) | 186 10 50 44 |            |
| " south of " (Winter and Autumn,)        | 178 18 50 1  |            |

Length of the tropical year, commencing at  
the winter solstice, 1848, and terminating } 365 5 40 45  
at the winter solstice, 1849, . . . . . }  
Mean, or average length of the tropical year, 365 5 48 48

## MOVABLE FESTIVALS OF THE CHURCH IN 1849.

|                          |            |                          |          |
|--------------------------|------------|--------------------------|----------|
| Septuagesima Sunday,     | Feb. 4th   | Rogation Sunday,         | May 13th |
| Quinq. or Shrove Sunday, | Feb. 18th  | Ascen. Day, or Holy Th., | May 17th |
| Ash Wed., Lent begins,   | Feb. 21st  | Whitsunday or Pentecost, | May 27th |
| Mid Lent Sunday,         | Mar. 18th  | Trinity Sunday,          | June 3d  |
| Palm Sunday,             | April 1st  | Corpus Christi Day, }    | June 7th |
| <i>Easter Sunday,</i>    | April 8th  | Fête Dieu, }             |          |
| Low Sunday,              | April 15th | Advent Sunday,           | Dec. 2d  |

## JEWISH CALENDAR.

[The anniversaries marked with an asterisk (\*) are to be strictly observed.]

Year. Names of the Months.

|      |   |               |
|------|---|---------------|
| 5609 | Thebet begins,                                    | Dec. 26, 1848 |
| "    | " 10th, Fast for the Siege of Jerusalem,          | Jan. 4, 1849  |
| "    | Sebat begins,                                     | Jan. 24, "    |
| "    | Adar begins,                                      | Feb. 23, "    |
| "    | " 13th, Fast of Esther,                           | Mar. 7, "     |
| "    | " 14th, *Purim,                                   | Mar. 8, "     |
| "    | " 15th, Schuscan Purim,                           | Mar. 9, "     |
| "    | Nisan begins,                                     | Mar. 24, "    |
| "    | " 15th, *Beginning of the Passover,               | April 7, "    |
| "    | " 16th, *Second Feast, or Morrow of the Passover, | April 8, "    |
| "    | " 21st, *Seventh Feast,                           | April 13, "   |
| "    | " 22d, *End of the Passover,                      | April 14, "   |
| "    | Ijar begins,                                      | April 23, "   |
| "    | " 18th, Lag Beomer,                               | May 10, "     |
| "    | Sivan begins,                                     | May 22, "     |
| "    | " 6th, *Feast of Weeks or Pentecost,              | May 27, "     |
| "    | " 7th, *Second Feast,                             | May 28, "     |
| "    | Thammus begins,                                   | June 21, "    |
| "    | " 17th, Fast for the taking of the Temple,        | July 7, "     |
| "    | Ab begins,  | July 20, "    |
| "    | " 9th, *Fast for the burning of the Temple,       | July 28, "    |
| "    | " Elul begins,                                    | Aug. 19, "    |
| 5610 | Tisri begins, *Feast for the New Year,            | Sept. 17, "   |
| "    | " 2d, *Second Feast for the New Year,             | Sept. 18, "   |
| "    | " 3d, Fast of Gedaljah,                           | Sept. 19, "   |
| "    | " 10th, *Fast of the Reconciliation or Atonement, | Sept. 26, "   |
| "    | " 15th, *Feast of the Huts or Tabernacles,        | Oct. 1, "     |

Year. Names of the Months.

|      |   |               |
|------|---|---------------|
| 5610 | Tisri 16th, *Second Feast of the Huts, . . . . .          | Oct. 2, 1849. |
| "    | " 21st, Feast of Palms or Branches, . . . . .             | Oct. 7, "     |
| "    | " 22d, *End of the Hut or Congregation Feast, . . . . .   | Oct. 8, "     |
| "    | " 23d, *Rejoicing for the discovery of the Law, . . . . . | Oct. 9, "     |
| "    | Marchesvan begins, . . . . .                              | Oct. 17, "    |
| "    | Chisleu begins, . . . . .                                 | Nov. 16, "    |
| "    | " 25th, Consecration of the Temple, . . . . .             | Dec. 10, "    |
| "    | Thebet begins, . . . . .                                  | Dec. 16, "    |
| "    | " 10th, Fast for the Siege of Jerusalem, . . . . .        | Dec. 25, "    |

The Jewish year generally contains 354 days, or 12 lunations of the Moon, but in a cycle of 19 years, an intercalary month (Veader) is 7 times introduced, for the purpose of rendering the average duration of the year nearly or quite correct.

### MAHOMETAN CALENDAR.

Year. Names of the Months.

|      |   |                |
|------|---|----------------|
| 1265 | Muharrem begins, . . . . .              | Nov. 27, 1848. |
| "    | Saphar " . . . . .                      | Dec. 27, "     |
| "    | Rabia I. " . . . . .                    | Jan. 25, 1849. |
| "    | Rabia II. " . . . . .                   | Feb. 26, "     |
| "    | Jomadhi I. " . . . . .                  | Mar. 25, "     |
| "    | Jomadhi II. " . . . . .                 | April 24, "    |
| "    | Redjeb " . . . . .                      | May 23, "      |
| "    | Chaban " . . . . .                      | June 23, "     |
| "    | Ramadan " (Month of Fasting,) . . . . . | July 21, "     |
| "    | Schewall " (Bairam,) . . . . .          | Aug. 20, "     |
| "    | Dsu'l-kadah " . . . . .                 | Sept. 18, "    |
| "    | Dsu'l-hejjah " . . . . .                | Oct. 18, "     |
| 1266 | Muharrem " . . . . .                    | Nov. 17, "     |
| "    | Saphar " . . . . .                      | Dec. 17, "     |

The Mahometan Era dates from the flight of Mahomet to Medina, July 16th, A. D. 622.

The Mahometan year is purely lunar ; it consists of 12 synodical periods of the Moon, or of 354 days 19 times in a cycle of 30 years, and 11 times of 355 days. The average length of this year is therefore  $354\frac{11}{30}$  days, which differs only *thirty-three seconds* from the truth ; a degree of exactness that only could have been attained by a long series of observations. But as no allowance is made for the excess of 11 days in the length of a tropical year over the time of 12 revolutions of the Moon, it is obvious that once in about 33 years the above months will correspond to every season and every part of the Gregorian year.



## HEIGHT OF THE GREATEST OR SPRING TIDES IN 1849.

*Computed by the formula of Laplace (Mécanique Céleste, Vol. II. pp. 289, Paris ed., and [2858] Bowd. ed.)*

| New or Full Moon. |       |       | Height of the Tide. |      | New or Full Moon. |       |       | Height of the Tide. |      |
|-------------------|-------|-------|---------------------|------|-------------------|-------|-------|---------------------|------|
|                   |       | d. h. |                     |      |                   |       | d. h. |                     |      |
| Full Moon,        | Jan.  | 8,    | 6 A.                | 1.00 | Full Moon,        | July  | 5,    | 8 M.                | 0.77 |
| New "             |       | 24,   | 5 M.                | 0.87 | New "             |       | 19,   | 4 A.                | 1.01 |
| Full "            | Feb.  | 7,    | 6 M.                | 0.99 | Full "            | Aug.  | 3,    | 11 A.               | 0.83 |
| New "             |       | 22,   | 9 A.                | 0.98 | New "             |       | 18,   | 0 M.                | 1.02 |
| Full "            | March | 8,    | 8 A.                | 0.97 | Full "            | Sept. | 2,    | 0 A.                | 0.94 |
| New "             |       | 24,   | 9 M.                | 1.07 | New "             |       | 16,   | 11 M.               | 1.00 |
| Full "            | April | 7,    | 11 M.               | 0.91 | Full "            | Oct.  | 2,    | 0 M.                | 1.03 |
| New "             |       | 22,   | 7 A.                | 1.09 | New "             |       | 16,   | 0 M.                | 0.94 |
| Full "            | May   | 7,    | 2 M.                | 0.83 | Full "            |       | 31,   | 12 M.               | 1.06 |
| New "             |       | 22,   | 2 M.                | 1.05 | New "             | Nov.  | 14,   | 4 A.                | 0.85 |
| Full "            | June  | 5,    | 5 A.                | 0.77 | Full "            |       | 29,   | 10 A.               | 1.05 |
| New "             |       | 20,   | 9 M.                | 1.01 | New "             | Dec.  | 14,   | 10 M.               | 0.78 |
|                   |       |       |                     |      | Full "            |       | 29,   | 9 M.                | 1.04 |

The unit of altitude at any place is the height at that place of that tide which arrives *about a day and a half* after the time of New or Full Moon, when the Sun and Moon, at the moment of conjunction or opposition, are at their mean distance from the Earth, and in the plane of the celestial equator.

This unit of altitude, which must be derived from observation for each place, multiplied by the quantities in the above table, gives the height of the spring tides at that place during the present year.

By the above table it appears, that the highest tides of 1849 will be those of March 26, April 24, May 23, Oct. 3, Nov. 2, and Dec. 1 and 31.

The actual rise of the tide, however, depends so much on the strength and direction of the wind, that it not unfrequently happens that a tide, which would, independently of these, have been small, is higher than another, otherwise much greater. But when a tide, which arrives when the Sun and Moon are in a favorable position for producing a great elevation, is still further increased by a very strong wind, the rise of the water will be uncommonly great, sufficient, perhaps, to cause damage.

The formula from which these tides were computed is, however, strictly true only for Brest and its vicinity, and must be regarded as a very uncertain approximation for the coast of the United States.

## DARKNESS OF THE NIGHTS DURING THE YEAR 1849.

*For Boston, New York, Philadelphia, Washington, &c.*

The number of hours at the top of the page denotes the average time for the month from the end of the evening twilight to the beginning of the morning twilight.

The dots in the table denote the hours of entire darkness, when there is neither sun, moon, nor twilight; and their disposition denotes the hours before or after midnight.

| Days of Month. | January.<br>12 h. | Feb.<br>11 h. | Mar.<br>9 h. | April.<br>8 h. | May.<br>7 h. | Jun.<br>6 h. | July<br>6 h. | Aug.<br>7 h. | Sept.<br>8 h. | Oct.<br>9 h. | Nov.<br>11 h. | Dec.<br>12 h. |
|----------------|-------------------|---------------|--------------|----------------|--------------|--------------|--------------|--------------|---------------|--------------|---------------|---------------|
| 1              | ☾.....            | ...           | ☾...         | ..             |              |              |              |              |               | ●            |               |               |
| 2              | .....             | ..            | ..           | ..             |              |              |              |              | ●             |              |               |               |
| 3              | ....              | .             | .            |                |              |              |              | ●            |               |              | ..            | ...           |
| 4              | ...               | .             |              |                |              |              | ●            |              |               |              | ...           | ....          |
| 5              | .                 |               |              |                |              | ●            |              |              |               |              | ....          | .....         |
| 6              |                   | ●             |              | ●              | ●            |              |              |              | .             | .            | .....☾        | .....☾        |
| 7              |                   |               |              |                |              |              |              |              | ..            | ..           | .....☾        | .....☾        |
| 8              | ●                 | .             | ●            |                |              |              |              | .            | ..            | ....☾        | ..            | .....         |
| 9              |                   | ..            |              | .              | .            | .            | .            | :            | ....☾         | ....         | ....          | .....         |
| 10             | .                 | ...           | .            | ..             | ..           | ..           | ..           | ☾            | ....          | ....         | .....         | .....         |
| 11             | ..                | .....         | ..           | ..             | ..           | ..           | ..           |              | ....          | ....         | .....         | .....         |
| 12             | ...               | .....         | ...          | ...            | ...          | ....☾        | ....☾        |              | ....          | ....         | .....         | .....         |
| 13             | ....              | .....         | ....         | ....           | ....         | ....☾        | ....         | .            | ....          | ....         | .....         | .....☾        |
| 14             | ....              | .....☾        | ....         | ....           | ....☾        | ....         | ....         | ..           | ....          | ....         | .....☾        | .....         |
| 15             | .....☾            | ..            | ....         | ....☾          | ....         | ....         | ....         | ....         | .....☾        | .....☾       | .....         | .....         |
| 16             | .....             | ....          | ....☾        | ....           | ....         | ....         | ....         | ....         | ....          | ....         | .....         | .....         |
| 17             | .....             | .....         | ....         | ....           | ....         | ....         | ....☾        | ....         | ....          | ....         | .....         | .....         |
| 18             | ....              | .....         | .....        | ....           | ....         | ....         | ....         | ....         | ....          | ....         | .....         | .....         |
| 19             | .....             | .....         | .....        | ....           | ....☾        | ....☾        | ....         | ....         | ....          | ....         | .....         | ....          |
| 20             | .....             | .....         | .....        | ....           | ....         | ....         | ....         | ....         | ....          | ....         | ..            | ....          |
| 21             | .....             | .....         | .....        | ....           | .....☾       | ....         | ....         | ....         | ....          | ....         | ..            | .....         |
| 22             | .....             | .....☾        | .....        | .....☾         | ....         | ....         | ....         | ....         | ..            | ..           | ☾             | ☾.....        |
| 23             | .....☾            | .....         | .....☾       | ....           | ....         | ....         | ....         | ....☾        | ☾             | ☾            | .....         | .....         |
| 24             | .....             | .....         | .....        | ....           | ....         | ....         | ....☾        | ....         | ....          | .....        | .....         | .....         |
| 25             | .....             | ....          | .....        | ....           | ....         | ....         | ....         | ....         | .....         | .....        | ....          | ....          |
| 26             | .....             | ..            | ....         | ....           | ....☾        | ....☾        | .....        | ....         | ....          | ....         | ..            | ..            |
| 27             | ....              | .             | ..           | ....           | ....         | ....         | ....         | ....         | ..            | ..           | ..            | ..            |
| 28             | ..                | .....         | ....         | ☾              | ☾            | ..           | ..           | ....         | .             | .            |               | ●             |
| 29             | .....             | .             | ....         | ..             | ..           | ..           | ..           | ..           |               |              | ●             |               |
| 30             | ☾.....            |               | ☾            | ..             | .            | .            | .            | .            |               | ●            |               |               |
| 31             | .....             |               | ..           |                | .            |              |              |              |               |              |               |               |

*-For Charleston, New Orleans, &c.*

| Days of Month. | Jan. 11 h. | Feb. 10 h. | Mar. 9 h. | April. 8 h. | May. 7 h. | Jun. 6 h. | July. 7 h. | Aug. 8 h. | Sept. 9 h. | Oct. 10 h. | Nov. 11 h. | Dec. 11 h. |
|----------------|------------|------------|-----------|-------------|-----------|-----------|------------|-----------|------------|------------|------------|------------|
| 1              | ☾          | ...        | ☾         | ..          |           |           |            |           |            | ●          |            |            |
| 2              | ....       | ..         | ..        |             |           |           |            |           | ●          |            |            |            |
| 3              | ...        | .          |           |             |           |           |            | ●         |            |            |            |            |
| 4              | ..         |            |           |             |           |           | ●          |           |            |            |            |            |
| 5              | .          |            |           |             |           | ●         |            |           |            |            |            |            |
| 6              |            | ●          |           | ●           | ●         |           |            |           |            | ☾          | ☾          | ☾          |
| 7              |            |            |           |             |           |           |            |           |            |            |            |            |
| 8              | ●          |            | ●         |             |           |           |            |           |            | ☾          |            |            |
| 9              |            | .          |           |             |           |           |            |           | ☾          |            |            |            |
| 10             |            | ..         | .         |             |           |           |            | ☾         |            |            |            |            |
| 11             | ..         | ...        | ..        | ..          | ..        |           |            |           |            |            |            |            |
| 12             | ...        | ....       | ...       | ...         | ...       | ☾         |            |           |            |            |            |            |
| 13             | ....       | .....      | ....      | ....        | ...       | ☾         |            |           |            |            |            | ☾          |
| 14             | .....      | .....☾     | ....      | .....       | ☾         |           |            |           |            |            | ☾          |            |
| 15             | .....☾     | .....      | .....     | .....☾      |           |           |            |           | ☾          | ☾          |            |            |
| 16             | .....      | .....      | .....☾    | .....       | ...       |           |            |           |            |            |            |            |
| 17             | .....      | .....      | .....     | .....       | ...       |           |            | ☾         |            |            |            |            |
| 18             | .....      | .....      | .....     | .....       | ...       |           |            |           |            |            |            |            |
| 19             | .....      | .....      | .....     | .....       | ☾         |           | ☾          |           |            |            |            |            |
| 20             | .....      | .....      | .....     | .....       |           | ☾         |            |           |            |            |            |            |
| 21             | .....      | .....      | .....     | .....       | ☾         |           |            |           |            |            |            | ☾          |
| 22             | .....      | .....☾     | .....     | .....☾      | ...       |           |            |           |            |            | ☾          |            |
| 23             | .....☾     | .....      | .....☾    | .....       | ...       |           |            |           | ☾          | ☾          |            |            |
| 24             | .....      | .....      | .....     | .....       | ...       |           |            | ☾         |            |            |            |            |
| 25             | .....      | .....      | .....     | .....       |           |           |            |           |            |            |            |            |
| 26             | .....      | .....      | .....     | .....       | ☾         | ☾         |            |           |            |            |            |            |
| 27             | .....      | .....      | .....     | .....       | ...       |           |            |           |            |            |            |            |
| 28             | .....      | .....      | .....     | ☾           | ☾         |           |            |           |            |            |            |            |
| 29             | .....      | .....      | .....     | ...         | ...       |           |            |           |            |            | ●          | ●          |
| 30             | ☾          | .....      | ☾         | ...         |           |           |            |           |            | ●          |            |            |
| 31             | .....      | .....      | .....     | .....       | ...       |           |            |           |            |            |            |            |

Twilight begins and ends. Mean Time.

|           | 1st day.        |                | 7th day.        |                | 13th day.       |                | 19th day.       |                | 25th day.       |                |
|-----------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|
|           | Begin.<br>h. m. | Ends.<br>h. m. | Begin.<br>h. m. | Ends.<br>h. m. | Begin.<br>h. m. | Ends.<br>h. m. | Begin.<br>h. m. | Ends.<br>h. m. | Begin.<br>h. m. | Ends.<br>h. m. |
| Boston,   | 5 48m           | 6 20a          | 5 48m           | 6 24a          | 5 48m           | 6 29a          | 5 47m           | 6 35a          | 5 44m           | 6 42a          |
| N. York,  | 5 46            | 6 23           | 5 46            | 6 26           | 5 46            | 6 31           | 5 45            | 6 37           | 5 42            | 6 44           |
| Wash'n,   | 5 43            | 6 25           | 5 44            | 6 29           | 5 44            | 6 34           | 5 43            | 6 39           | 5 41            | 6 45           |
| Charles., | 5 35            | 6 23           | 5 36            | 6 37           | 5 37            | 6 41           | 5 36            | 6 46           | 5 35            | 6 51           |
| N. Orl's, | 5 31            | 6 37           | 5 33            | 6 40           | 5 34            | 6 44           | 5 33            | 6 49           | 5 32            | 6 54           |

PERIGEE AND APOGEE OF THE MOON.

Perigee, 6th day, 10h. A.

Apogee, 18th day, 7h. A.

PHASES OF THE MOON.

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| First Quarter, 2d day, 2h. 30.2m. M. | New Moon, 24th day, 4h. 54.8m. M. |
| Full Moon, 8th " 5 42.0 A.           | First Quarter, 31st " 11 34.5 M.  |
| Last Quarter, 16th " 1 46.1 M.       |                                   |

| Days of Month. | Days of Week. | Sun's upper limb rises and sets (cor. for refr.) M. Time. |                |                 |                |                 |                |                 |                |                 |                | High Water. M. Time. |               |                 |
|----------------|---------------|---|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|----------------------|---------------|-----------------|
|                |               | Boston, &c.   |                | New York, &c.   |                | Washington, &c. |                | Charleston, &c. |                | N. Orleans, &c. |                | Boston, &c.          | New York, &c. | Charleston, &c. |
|                |               | rises.<br>h. m.   | sets.<br>h. m. | rises.<br>h. m. | sets.<br>h. m. | rises.<br>h. m. | sets.<br>h. m. | rises.<br>h. m. | sets.<br>h. m. | rises.<br>h. m. | sets.<br>h. m. | h. m.                | h. m.         | h. m.           |
| 1 M.           |               | 7 30  | 4 38           | 7 25            | 4 43           | 7 19            | 4 49           | 7 3             | 5 5            | 6 57            | 5 11           | 8 30a                | 1 10a         | 11 30m          |
| 2 Tu.          |               | 30  | 39             | 25              | 44             | 19              | 50             | 3               | 6              | 57              | 12             | 4 13                 | 1 53          | 0 18a           |
| 3 W.           |               | 30  | 40             | 25              | 45             | 19              | 51             | 3               | 7              | 57              | 12             | 5 18                 | 2 53          | 1 13            |
| 4 Th.          |               | 30  | 41             | 25              | 46             | 19              | 52             | 3               | 7              | 58              | 12             | 6 22                 | 4 2           | 2 22            |
| 5 F.           |               | 30  | 42             | 25              | 47             | 19              | 53             | 3               | 8              | 58              | 14             | 7 35                 | 5 15          | 3 35            |
| 6 S.           |               | 30  | 43             | 25              | 48             | 19              | 54             | 3               | 9              | 58              | 15             | 8 48                 | 6 28          | 4 48            |
| 7 Su.          |               | 7 30  | 4 44           | 7 25            | 4 49           | 7 19            | 4 55           | 7 3             | 5 10           | 6 58            | 5 15           | 9 52a                | 7 32a         | 5 52a           |
| 8 M.           |               | 30  | 45             | 25              | 50             | 19              | 56             | 3               | 11             | 58              | 16             | 10 49                | 8 29          | 6 49            |
| 9 Tu.          |               | 30  | 46             | 25              | 51             | 19              | 57             | 3               | 12             | 58              | 17             | 11 41                | 9 21          | 7 41            |
| 10 W.          |               | 29  | 47             | 24              | 52             | 19              | 58             | 3               | 13             | 58              | 18             | . . .                | 10 9          | 8 29            |
| 11 Th.         |               | 29  | 48             | 24              | 53             | 18              | 59             | 3               | 14             | 58              | 18             | 0 29m                | 10 55         | 9 15            |
| 12 F.          |               | 29  | 49             | 24              | 54             | 18              | 5 0            | 3               | 14             | 58              | 19             | 1 15                 | 11 38         | 9 58            |
| 13 S.          |               | 28  | 50             | 23              | 55             | 18              | 1              | 3               | 15             | 58              | 20             | 1 58                 | . . .         | 10 41           |
| 14 Su.         |               | 7 28  | 4 51           | 7 23            | 4 56           | 7 17            | 5 2            | 7 3             | 5 16           | 6 58            | 5 21           | 2 41m                | 0 21m         | 11 21a          |
| 15 M.          |               | 27  | 53             | 22              | 58             | 17              | 3              | 3               | 17             | 57              | 22             | 3 21                 | 1 1           | . . .           |
| 16 Tu.         |               | 27  | 54             | 22              | 59             | 17              | 4              | 3               | 17             | 57              | 23             | 4 4                  | 1 44          | 0 4m            |
| 17 W.          |               | 26  | 55             | 21              | 5 0            | 16              | 5              | 2               | 18             | 57              | 23             | 4 46                 | 2 26          | 0 46            |
| 18 Th.         |               | 26  | 56             | 21              | 1              | 16              | 6              | 2               | 19             | 57              | 24             | 5 42                 | 3 22          | 1 42            |
| 19 F.          |               | 25  | 58             | 20              | 2              | 15              | 7              | 2               | 20             | 57              | 25             | 6 50                 | 4 30          | 2 50            |
| 20 S.          |               | 24  | 59             | 20              | 3              | 14              | 8              | 1               | 20             | 56              | 26             | 7 59                 | 5 39          | 3 59            |
| 21 Su.         |               | 7 23  | 5 0            | 7 19            | 5 4            | 7 14            | 5 9            | 7 1             | 5 21           | 6 56            | 5 27           | 9 9m                 | 6 49m         | 5 9m            |
| 22 M.          |               | 22  | 1              | 18              | 5              | 13              | 10             | 1               | 22             | 56              | 28             | 10 4                 | 7 44          | 6 4             |
| 23 Tu.         |               | 22  | 3              | 18              | 7              | 12              | 12             | 0               | 23             | 55              | 29             | 10 48                | 8 28          | 6 48            |
| 24 W.          |               | 21  | 4              | 17              | 8              | 12              | 13             | 0               | 24             | 55              | 30             | 11 29                | 9 9           | 7 29            |
| 25 Th.         |               | 20  | 5              | 16              | 9              | 11              | 14             | 6 59            | 25             | 55              | 31             | 0 52                 | 9 46          | 8 6             |
| 26 F.          |               | 20  | 6              | 15              | 10             | 10              | 15             | 59              | 26             | 51              | 32             | 0 43                 | 10 22         | 8 42            |
| 27 S.          |               | 19  | 7              | 14              | 11             | 10              | 16             | 58              | 27             | 54              | 33             | 1 17                 | 10 57         | 9 17            |
| 28 Su.         |               | 7 18  | 5 9            | 7 14            | 5 13           | 7 9             | 5 17           | 6 58            | 5 29           | 6 53            | 5 34           | 1 53a                | 11 38m        | 9 53m           |
| 29 M.          |               | 17  | 10             | 13              | 14             | 8               | 19             | 57              | 30             | 53              | 35             | 2 29                 | 0 9a          | 10 29           |
| 30 Tu.         |               | 16  | 11             | 12              | 15             | 8               | 20             | 57              | 31             | 52              | 36             | 3 11                 | 0 51          | 11 11           |
| 31 W.          |               | 15  | 13             | 11              | 17             | 7               | 21             | 56              | 32             | 52              | 37             | 3 55                 | 1 35          | 11 55           |

## Passage of the Meridian (mean time) and Declination of the Planets.

|        | 1st day. |        | 7th day. |        | 13th day. |       | 19th day. |       | 25th day. |       |
|--------|----------|--------|----------|--------|-----------|-------|-----------|-------|-----------|-------|
|        | souths.  | Dec.   | souths.  | Dec.   | souths.   | Dec.  | souths.   | Dec.  | souths.   | Dec.  |
|        | h. m.    | ° ' "  | h. m.    | ° ' "  | h. m.     | ° ' " | h. m.     | ° ' " | h. m.     | ° ' " |
| 11 46m | 24 46    | 0 52   | 24 17    | 0 52   | 23 54     | 0 43  | 20 33     | 1 12  | 17 17     |       |
| 2 50a  | 16 14    | 2 54   | 13 40    | 2 57   | 10 53     | 3 0   | 7 57      | 3 2   | 4 54      |       |
| 10 19m | 23 6     | 10 15m | 23 31    | 10 10m | 23 48     | 10 5m | 23 56     | 10 1m | 23 55     |       |
| 5 27a  | 6 22     | 5 10a  | 5 22     | 4 53a  | 4 22      | 4 37a | 3 21      | 4 21a | 2 18      |       |
| 10 30  | 0 17     | 10 3   | 0 25     | 9 38   | 1 15      | 9 13  | 2 11      | 8 50  | 3 10      |       |
| 9 49m  | 3 10     | 9 34m  | 3 26     | 9 19m  | 3 47      | 9 4m  | 4 18      | 8 49m | 4 45      |       |
| 9 55   | 19 18    | 9 42   | 19 44    | 9 28   | 20 8      | 9 14  | 20 30     | 9 0   | 20 50     |       |
| 2 53   | 15 10    | 2 28   | 15 21    | 2 2    | 15 23     | 1 36  | 15 47     | 1 10  | 16 2      |       |
| 4 41a  | 5 56     | 4 19a  | 5 45     | 3 57a  | 5 23      | 3 36a | 5 20      | 3 14a | 5 5       |       |
| 6 23   | 6 38     | 5 59   | 6 39     | 5 36   | 6 41      | 5 13  | 6 44      | 4 50  | 6 47      |       |

| Days of Month. | Moon Souths.<br>Mean Time. | Moon rises or sets. Mean Time. |                |                |                |                | PHENOMENA AND OBSERVATIONS.  |
|----------------|----------------------------|--------------------------------|----------------|----------------|----------------|----------------|--|
|                |                            | Boston, &c.                    | N. York, &c.   | Wash'n, &c.    | Ch'ston, &c.   | N. Ori's, &c.  |  |
|                |                            | sets.<br>h. m.                 | sets.<br>h. m. | sets.<br>h. m. | sets.<br>h. m. | sets.<br>h. m. |  |
| 1              | 5 42a                      | ...                            | ...            | ...            | ...            | ...            | Washington Mean Time.<br>d. h. m.<br><br><i>Circumcision.</i> ⊕ nearest ☉.<br>2 7 33m ♂ ♀ ♂ ♀ * 0 51 S.<br>2 0 13a ♂ ♀ * 2 21 N.<br>3 4 15a ♂ ♀ * 1 7 N.<br>6 0 54a ♂ ♀ * 0 27 S.<br><i>Epiphany.</i><br><br><i>1st Sunday after Epiphany.</i><br>9 0 21a ☐ ♀ ☉.<br>8 3 5a Sup. ♂ ♀ ☉.<br>11 1 7m ♂ ♀ * 2 59 N.<br>11 10 31a ♂ ♀ * 0 14 N.<br>16 4 7m ♂ ♀ * 0 5 N.<br>16 10 57a ♂ ♀ * 0 53 N.<br><br><i>2d Sunday after Epiphany.</i><br>17 5 5m ♂ gr. Hel. Lat. S.<br>21 0 52m ♂ ♀ Ophi. * 0 21 S.<br>21 7 0m ♀ stationary.<br>21 2 6a ♂ ♀ * 5 23 S.<br>Reappearance of h's ring.<br>22 0 45m ♂ ♀ * 0 7 S.<br><br><i>3d Sunday after Epiphany.</i><br>24 9 21a ♂ ♀ * 1 34 S.<br>25 6 29m ♂ ♀ * 4 3 S.<br><i>Conversion of St. Paul.</i><br>27 8 6a ♂ ♀ * 0 17 N.<br>27 9 53a ♂ ♀ h 1 16 S.<br><br><i>4th Sunday after Epiphany.</i><br>28 7 47a ♂ ♀ 20Ceti. * 0 15 S.<br>28 9 31a ♂ ♀ h 1 44 N.<br>29 6 20a ♂ ♀ * 2 37 N. |
| 2              | 6 33                       | 0 2m                           | 0 2m           | 0 2m           | 0 2m           | 0 2m           |  |
| 3              | 7 25                       | 1 10                           | 1 9            | 1 8            | 1 4            | 1 4            |  |
| 4              | 8 21                       | 2 20                           | 2 18           | 2 15           | 2 9            | 2 7            |  |
| 5              | 9 18                       | 3 30                           | 3 27           | 3 24           | 3 15           | 3 12           |  |
| 6              | 10 19                      | 4 41                           | 4 27           | 4 33           | 4 21           | 4 19           |  |
| S.             | 11 20a                     | rises.                         | rises.         | rises.         | rises.         | rises.         |  |
| 8              | ♂                          | 4 53a                          | 4 58           | 5 23           | 5 16a          | 5 23a          |  |
| 9              | 0 21m                      | 6 1                            | 6 4            | 6 9            | 6 21           | 6 23           |  |
| 10             | 1 18                       | 7 7                            | 7 10           | 7 15           | 7 24           | 7 30           |  |
| 11             | 2 13                       | 8 14                           | 8 17           | 8 19           | 8 29           | 8 31           |  |
| 12             | 3 4                        | 9 19                           | 9 20           | 9 23           | 9 27           | 9 30           |  |
| 13             | 3 53                       | 10 20                          | 10 22          | 10 23          | 10 24          | 10 26          |  |
| S.             | 4 39m                      | 11 22a                         | 11 21a         | 11 22a         | 11 20a         | 11 20a         |  |
| 15             | 5 23                       | ...                            | ...            | ...            | ...            | ...            |  |
| 16             | 6 7                        | 0 20m                          | 0 20m          | 0 18m          | 0 14m          | 0 13m          |  |
| 17             | 6 51                       | 1 18                           | 1 16           | 1 14           | 1 9            | 1 7            |  |
| 18             | 7 25                       | 2 14                           | 2 11           | 2 10           | 2 1            | 1 58           |  |
| 19             | 8 21                       | 3 9                            | 3 7            | 3 3            | 2 53           | 2 50           |  |
| 20             | 9 7                        | 4 4                            | 4 0            | 3 57           | 3 44           | 3 40           |  |
| S.             | 9 55m                      | 4 56m                          | 4 52m          | 4 47m          | 4 35m          | 4 31m          |  |
| 22             | 10 44                      | 5 45                           | 5 41           | 5 37           | 5 24           | 5 21           |  |
| 23             | 11 34                      | sets.                          | sets.          | sets.          | sets.          | sets.          |  |
| 24             | 0 24a                      | 5 33a                          | 5 41a          | 5 45a          | 5 56a          | 6 2a           |  |
| 25             | 1 13                       | 6 40                           | 6 43           | 6 46           | 6 55           | 7 0            |  |
| 26             | 2 3                        | 7 43                           | 7 46           | 7 47           | 7 54           | 7 57           |  |
| 27             | 2 52                       | 8 49                           | 8 50           | 8 52           | 8 54           | 8 57           |  |
| S.             | 3 40a                      | 9 53a                          | 9 54a          | 9 54a          | 9 55a          | 9 56a          |  |
| 29             | 4 30                       | 11 1                           | 11 0           | 11 0           | 10 57          | 10 57          |  |
| 30             | 5 21                       | ...                            | ...            | ...            | 11 59          | 11 59          |  |
| 31             | 6 14                       | 0 5m                           | 0 7m           | 0 5m           | ...            | ...            |  |

Twilight begins and ends. Mean Time.

|           | 1st day.         |                | 7th day.         |                | 13th day.        |                | 19th day.        |                | 25th day.        |                |
|-----------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|
|           | Begins.<br>h. m. | Ends.<br>h. m. | Begins.<br>h. m. | Ends.<br>h. m. | Begins.<br>h. m. | Ends.<br>h. m. | Begins.<br>h. m. | Ends.<br>h. m. | Begins.<br>h. m. | Ends.<br>h. m. |
| Boston,   | 5 38m            | 6 50a          | 5 32m            | 6 56a          | 5 26m            | 7 3a           | 5 18m            | 7 10a          | 5 9m             | 7 17a          |
| N. York,  | 5 37             | 6 51           | 5 31             | 6 57           | 5 25             | 7 4            | 5 18             | 7 10           | 5 10             | 7 16           |
| Wash'n,   | 5 36             | 6 52           | 5 31             | 6 58           | 5 25             | 7 4            | 5 18             | 7 10           | 5 10             | 7 16           |
| Charles., | 5 31             | 6 57           | 5 27             | 7 1            | 5 23             | 7 6            | 5 17             | 7 11           | 5 10             | 7 16           |
| N. Orl's, | 5 29             | 6 59           | 5 25             | 7 3            | 5 21             | 7 8            | 5 16             | 7 12           | 5 11             | 7 15           |

PERIGEE AND APOGEE OF THE MOON.

Perigee, 3d day, 4h. A.

Apogee, 15th day, 2h. A.

PHASES OF THE MOON.

Full Moon, 7th day, 6h. 7.4m. M. | New Moon, 22d day, 8h. 21.4m. A.  
Last Quarter, 14th " 10 54.3 A.

| Days of Month. | Days of Week. | Sun's upper limb rises and sets (cor. for refr.) M. Time. |                |                 |                |                 |                |                 |                |                 |                | High Water. M. Time. |               |                 |
|----------------|---------------|---|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|----------------------|---------------|-----------------|
|                |               | Boston, &c.   |                | New York, &c.   |                | Washington, &c. |                | Charleston, &c. |                | N. Orleans, &c. |                | Boston, &c.          | New York, &c. | Charleston, &c. |
|                |               | rises.<br>h. m.   | sets.<br>h. m. | rises.<br>h. m. | sets.<br>h. m. | rises.<br>h. m. | sets.<br>h. m. | rises.<br>h. m. | sets.<br>h. m. | rises.<br>h. m. | sets.<br>h. m. | h. m.                | h. m.         | h. m.           |
| 1              | Th.           | 7 14  | 5 14           | 7 10            | 5 18           | 7 6             | 5 22           | 6 55            | 5 33           | 6 51            | 5 38           | 4 45a                | 2 25a         | 0 45a           |
| 2              | F.            | 13  | 15             | 9               | 19             | 8               | 23             | 55              | 34             | 50              | 38             | 5 45                 | 3 25          | 1 45            |
| 3              | S.            | 11  | 16             | 8               | 20             | 4               | 24             | 54              | 35             | 49              | 39             | 7 4                  | 4 44          | 3 4             |
| 4              | Su.           | 7 10  | 5 18           | 7 7             | 5 21           | 7 3             | 5 25           | 6 53            | 5 36           | 6 49            | 5 40           | 8 29a                | 6 9a          | 4 29a           |
| 5              | M.            | 9   | 19             | 6               | 22             | 2               | 26             | 52              | 37             | 48              | 41             | 9 41                 | 7 21          | 5 41            |
| 6              | Tu.           | 8   | 20             | 5               | 23             | 1               | 27             | 52              | 38             | 47              | 41             | 10 40                | 8 20          | 6 40            |
| 7              | W.            | 7   | 22             | 4               | 25             | 0               | 28             | 51              | 39             | 47              | 42             | 11 32                | 9 12          | 7 32            |
| 8              | Th.           | 6   | 23             | 3               | 26             | 6 59            | 29             | 50              | 40             | 46              | 43             | ...                  | 9 58          | 8 18            |
| 9              | F.            | 5   | 25             | 2               | 27             | 58              | 31             | 49              | 41             | 45              | 44             | 0 18m                | 10 40         | 9 0             |
| 10             | S.            | 4   | 26             | 1               | 29             | 57              | 32             | 48              | 41             | 44              | 45             | 1 0                  | 11 17         | 9 37a           |
| 11             | Su.           | 7 2   | 5 27           | 6 59            | 5 30           | 5 56            | 5 33           | 5 47            | 5 42           | 6 42            | 5 46           | 1 37m                | 11 54a        | 10 14a          |
| 12             | M.            | 1   | 29             | 58              | 31             | 55              | 34             | 46              | 43             | 43              | 47             | 2 14                 | ...           | 10 49           |
| 13             | Tu.           | 0   | 30             | 57              | 32             | 54              | 35             | 45              | 44             | 42              | 47             | 2 49                 | 0 29m         | 11 26           |
| 14             | W.            | 6 58  | 31             | 55              | 34             | 53              | 36             | 44              | 45             | 41              | 48             | 3 26                 | 1 6           | ...             |
| 15             | Th.           | 57  | 32             | 54              | 35             | 52              | 38             | 43              | 46             | 40              | 49             | 4 2                  | 1 43          | 0 25m           |
| 16             | F.            | 55  | 34             | 52              | 36             | 50              | 39             | 42              | 47             | 39              | 50             | 4 45                 | 2 25          | 0 45            |
| 17             | S.            | 54  | 35             | 51              | 37             | 49              | 40             | 41              | 48             | 39              | 51             | 5 41                 | 3 21          | 1 41            |
| 18             | Su.           | 6 52  | 5 36           | 5 50            | 5 38           | 6 48            | 5 41           | 6 40            | 5 49           | 6 37            | 5 51           | 6 59m                | 4 39m         | 2 59m           |
| 19             | M.            | 51  | 38             | 49              | 39             | 47              | 42             | 39              | 50             | 36              | 52             | 6 16                 | 5 56          | 4 16            |
| 20             | Tu.           | 50  | 39             | 48              | 41             | 46              | 43             | 38              | 51             | 35              | 53             | 9 30                 | 7 10          | 5 30            |
| 21             | W.            | 48  | 41             | 46              | 42             | 44              | 45             | 37              | 52             | 34              | 54             | 10 21                | 8 1           | 6 21            |
| 22             | Th.           | 47  | 42             | 45              | 43             | 43              | 46             | 36              | 52             | 33              | 55             | 11 5                 | 8 45          | 7 5             |
| 23             | F.            | 45  | 42             | 44              | 44             | 41              | 47             | 35              | 53             | 32              | 55             | 11 43                | 9 23          | 7 43            |
| 24             | S.            | 44  | 45             | 43              | 45             | 40              | 48             | 34              | 54             | 31              | 56             | 0 21a                | 10 1          | 8 21            |
| 25             | Su.           | 6 42  | 5 48           | 6 41            | 5 47           | 6 38            | 5 49           | 6 33            | 5 55           | 6 30            | 5 57           | 0 56a                | 10 36m        | 8 56m           |
| 26             | M.            | 40  | 47             | 39              | 48             | 37              | 50             | 31              | 56             | 29              | 58             | 1 32                 | 11 12         | 9 32            |
| 27             | Tu.           | 38  | 48             | 38              | 49             | 35              | 51             | 30              | 57             | 28              | 58             | 2 11                 | 11 51         | 10 11           |
| 28             | W.            | 37  | 49             | 36              | 50             | 34              | 52             | 29              | 57             | 27              | 59             | 2 49                 | 0 29a         | 10 49           |

## Passage of the Meridian (mean time) and Declination of the Planets.

|    | 1st day.         |               | 7th day.         |               | 13th day.        |               | 19th day.        |               | 25th day.        |               |
|----|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|
|    | souths.<br>h. m. | Dec.<br>° ' " | souths.<br>h. m. | Dec.<br>° ' " | souths.<br>h. m. | Dec.<br>° ' " | souths.<br>h. m. | Dec.<br>° ' " | souths.<br>h. m. | Dec.<br>° ' " |
| 1  | 182              | —12 34        | 1 232            | —8 24         | 1 132            | —5 23         | 0 412            | —4 50         | 11 55m           | —6 46         |
| 2  | 3                | —1 32         | 3 3              | +1 35         | 3 3              | +4 40         | 3 3              | +7 41         | 3 22             | +10 35        |
| 3  | 56m              | —23 43        | 9 52m            | —23 23        | 9 49m            | —23 54        | 9 43m            | —22 16        | 9 39m            | —21 29        |
| 4  | 22               | —1 1          | 3 472            | +0 3          | 3 322            | +1 8          | 3 172            | +2 12         | 3 22             | +3 15         |
| 5  | 24               | +4 25         | 8 3              | +5 27         | 7 43             | +6 29         | 7 24             | +7 28         | 7 6              | +8 26         |
| 6  | 31m              | +5 22         | 8 15m            | +6 0          | 7 59m            | +6 46         | 7 42m            | +7 30         | 7 25m            | +8 20         |
| 7  | 43               | —21 11        | 8 29             | —21 23        | 8 14             | —21 38        | 7 59             | —21 48        | 7 44             | —21 59        |
| 8  | 39               | +16 19        | 0 12             | +16 35        | 11 552           | +16 52        | 11 282           | +17 6         | 11 12            | +17 19        |
| 9  | 492              | —4 48         | 2 282            | —4 32         | 2 7              | —4 16         | 1 46             | —3 59         | 1 25             | —3 42         |
| 10 | 23               | +6 51         | 4 0              | +6 56         | 3 37             | +7 1          | 3 15             | +7 7          | 2 52             | +7 13         |

| Days of Month. | Moon Souths.<br>Mean Time. | Moon rises or sets. Mean Time. |                |                |                |                |
|----------------|----------------------------|--------------------------------|----------------|----------------|----------------|----------------|
|                |                            | Boston, &c.                    | N. York, &c.   | Wash'n, &c.    | Ch'aton, &c.   | N. Ori's, &c.  |
|                |                            | sets.<br>h. m.                 | sets.<br>h. m. | sets.<br>h. m. | sets.<br>h. m. | sets.<br>h. m. |
| 1              | 7 92                       | 1 18m                          | 1 15m          | 1 13m          | 1 4m           | 1 2m           |
| 2              | 8 6                        | 2 27                           | 2 23           | 2 20           | 2 9            | 2 6            |
| 3              | 9 5                        | 3 31                           | 3 27           | 3 23           | 3 11           | 3 8            |
| 4              | 10 42                      | 4 33m                          | 4 29m          | 4 25m          | 4 12m          | 4 9m           |
| 5              | 11 2                       | 5 29                           | 5 25           | 5 21           | 5 9            | 5 6            |
| 6              | 11 58                      | rises.                         | rises.         | rises.         | rises.         | rises.         |
| 7              | 8                          | 5 532                          | 5 552          | 5 592          | 6 82           | 6 122          |
| 8              | 0 51m                      | 6 59                           | 7 1            | 7 3            | 7 9            | 7 12           |
| 9              | 1 41                       | 8 4                            | 8 5            | 8 7            | 8 9            | 8 12           |
| 10             | 2 29                       | 9 7                            | 9 6            | 9 6            | 9 7            | 9 8            |
| 11             | 3 15m                      | 10 62                          | 10 52          | 10 62          | 10 32          | 10 22          |
| 12             | 4 0                        | 11 5                           | 11 4           | 11 2           | 10 56          | 10 56          |
| 13             | 4 45                       | ...                            | ...            | 11 59          | 11 51          | 11 49          |
| 14             | 5 29                       | 0 3m                           | 0 1m           | ...            | ...            | ...            |
| 15             | 6 14                       | 0 59                           | 0 57           | 0 54m          | 0 44m          | 0 41m          |
| 16             | 7 1                        | 1 55                           | 1 51           | 1 47           | 1 36           | 1 32           |
| 17             | 7 48                       | 2 47                           | 2 43           | 2 39           | 2 26           | 2 22           |
| 18             | 8 36m                      | 3 37m                          | 3 33m          | 3 29m          | 3 16m          | 3 13m          |
| 19             | 9 25                       | 4 24                           | 4 20           | 4 16           | 4 3            | 4 0            |
| 20             | 10 15                      | 5 7                            | 5 5            | 5 1            | 4 49           | 4 46           |
| 21             | 11 5                       | sets.                          | sets.          | sets.          | sets.          | sets.          |
| 22             | 11 55                      | 5 302                          | 5 332          | 5 352          | 5 432          | 5 472          |
| 23             | 0 452                      | 6 37                           | 6 38           | 6 40           | 6 44           | 6 48           |
| 24             | 1 35                       | 7 43                           | 7 45           | 7 45           | 7 45           | 7 48           |
| 25             | 2 262                      | 8 522                          | 8 512          | 8 522          | 8 492          | 8 492          |
| 26             | 3 17                       | 10 0                           | 9 59           | 9 58           | 9 53           | 9 53           |
| 27             | 4 10                       | 11 9                           | 11 7           | 11 6           | 10 58          | 10 56          |
| 28             | 5 4                        | ...                            | ...            | ...            | ...            | 11 58          |

## PHENOMENA AND OBSERVATIONS.

## Sundays and Holidays.

## Washington Mean Time.

|                                |                       |
|--------------------------------|-----------------------|
| d. h. m.                       | ° ' "                 |
| 4 5 202                        | ♀ in ♍.               |
| Purification of B. V. Mary.    |                       |
| 5 4 38m                        | ♀ in ♍.               |
| Septuagesima Sunday.           |                       |
| 5 7 14m                        | ♂ ♀ in ♎ * 1 33 N.    |
| 6 4 1m                         | ♂ ♀ in ♏.             |
| 7 5 44m                        | ♂ ♀ in ♏ ♀ 3 17 N.    |
| 8 6 21m                        | ♂ gr. along. 18 10 E. |
| 9 6 112                        | ♂ in Perihelion.      |
| 14 4 58m                       | ♂ stationary.         |
| Sexagesima Sunday.             |                       |
| 14 7 30m                       | ♂ ♀ in ♏ * 1 30 N.    |
| 17 4 522                       | ♂ ♀ in ♏ ♀ 5 16 S.    |
| 17 11 552                      | ♂ ♀ in ♏ * 0 2 S.     |
| 19 4 132                       | ♂ ♀ in ♏ ♀ 4 49 S.    |
| 20 2 5m                        | ♂ gr. Hel. Lat. N.    |
| 22 8 252                       | ♂ ♀ in ♏ ♀ 2 20 N.    |
| Quinquages. or Shr. Sunday.    |                       |
| 22 9 492                       | ♂ ♀ in ♏ ♀ 3 19 N.    |
| 23 8 332                       | Inf ♂ ♀ in ♏.         |
| Ash Wednesday.                 |                       |
| Solar eclipse, invis. in U. S. |                       |
| 24 10 2m                       | ♂ in ♏ ♀ 0 54 S.      |
| St. Matthias.                  |                       |
| 1st Sun. Lent. Quadragesima.   |                       |
| 25 7 572                       | ♂ ♀ in ♏ ♀ 7 40 N.    |
| 26 1 57m                       | ♂ ♀ in ♏ ♀ 2 47 N.    |
| 26 7 31m                       | ♂ ♀ in ♏ ♀ 5 42 N.    |

Twilight begins and ends. Mean Time.

|           | 1st day. |       | 7th day. |       | 13th day. |       | 19th day. |       | 25th day. |       |
|-----------|----------|-------|----------|-------|-----------|-------|-----------|-------|-----------|-------|
|           | Begins.  | Ends. | Begins.  | Ends. | Begins.   | Ends. | Begins.   | Ends. | Begins.   | Ends. |
|           | h. m.    | h. m. | h. m.    | h. m. | h. m.     | h. m. | h. m.     | h. m. | h. m.     | h. m. |
| Boston,   | 5 31m    | 7 23a | 4 53m    | 7 29a | 4 43m     | 7 37a | 4 33m     | 7 45a | 4 20m     | 7 52a |
| N. York,  | 5 4      | 7 22  | 4 54     | 7 28  | 4 44      | 7 35  | 4 34      | 7 42  | 4 23      | 7 49  |
| Wash'n,   | 5 5      | 7 21  | 4 55     | 7 27  | 4 45      | 7 34  | 4 35      | 7 40  | 4 25      | 7 46  |
| Charles., | 5 7      | 7 19  | 4 59     | 7 24  | 4 51      | 7 29  | 4 43      | 7 33  | 4 34      | 7 38  |
| N. Orl's, | 5 7      | 7 19  | 5 0      | 7 23  | 4 53      | 7 27  | 4 45      | 7 31  | 4 37      | 7 35  |

PERIGEE AND APOGENE OF THE MOON.

Perigee, 1st day, 0h. M. | Apogee, 15th day, 11h. M. | Perigee, 27th day, 6h. M.

PHASES OF THE MOON.

First Quarter, 1st day, 6h. 54.9m. A. | New Moon, 24th day, 8h. 57.4m. M.  
Full Moon, 8th " 7 53.8 A. | First Quarter, 31st " 1 51.8 M.  
Last Quarter, 16th " 7 30.4 A.

| Days of Month. | Days of Week. | Sun's upper limb rises and sets (cor. for refr.) M. Time. |             |               |             |                 |             |                 |             |                 |             | High Water. M. Time. |               |                 |
|----------------|---------------|---|-------------|---------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|----------------------|---------------|-----------------|
|                |               | Boston, &c.   |             | New York, &c. |             | Washington, &c. |             | Charleston, &c. |             | N. Orleans, &c. |             | Boston, &c.          | New York, &c. | Charleston, &c. |
|                |               | rises. h. m.  | sets. h. m. | rises. h. m.  | sets. h. m. | rises. h. m.    | sets. h. m. | rises. h. m.    | sets. h. m. | rises. h. m.    | sets. h. m. | h. m.                | h. m.         | h. m.           |
| 1 Th.          |               | 6 36  | 5 50        | 6 35          | 5 51        | 6 33            | 5 53        | 6 28            | 5 56        | 6 26            | 6 0         | 3 33a                | 1 13a         | 11 33m          |
| 2 F.           |               | 34  | 51          | 33            | 52          | 31              | 54          | 27              | 58          | 25              | 0           | 4 22                 | 2 2           | 0 22a           |
| 3 S.           |               | 33  | 52          | 32            | 53          | 30              | 55          | 26              | 59          | 24              | 1           | 5 24                 | 3 4           | 1 24            |
| 4 Su.          |               | 6 31  | 5 54        | 6 30          | 5 55        | 6 28            | 5 56        | 6 25            | 6 0         | 6 23            | 6 2         | 6 45a                | 4 25a         | 2 45a           |
| 5 M.           |               | 29  | 55          | 28            | 56          | 27              | 57          | 24              | 1           | 22              | 3           | 8 13                 | 5 53          | 4 13            |
| 6 Tu.          |               | 28  | 56          | 27            | 57          | 26              | 58          | 23              | 1           | 21              | 3           | 9 35                 | 7 15          | 5 35            |
| 7 W.           |               | 26  | 58          | 25            | 59          | 24              | 59          | 22              | 2           | 20              | 4           | 10 32                | 8 12          | 6 32            |
| 8 Th.          |               | 25  | 59          | 24            | 6 0         | 23              | 6 0         | 21              | 3           | 19              | 5           | 11 20                | 9 0           | 7 20            |
| 9 F.           |               | 23  | 6 0         | 23            | 1           | 21              | 1           | 20              | 3           | 18              | 5           | ...                  | 9 40          | 8 0             |
| 10 S.          |               | 21  | 1           | 21            | 2           | 19              | 2           | 19              | 4           | 16              | 6           | 0 0m                 | 10 19         | 8 39            |
| 11 Su.         |               | 6 19  | 6 2         | 6 19          | 6 3         | 6 18            | 6 3         | 6 17            | 6 5         | 6 15            | 6 7         | 0 39m                | 10 53a        | 9 13a           |
| 12 M.          |               | 17  | 3           | 17            | 4           | 16              | 4           | 16              | 6           | 14              | 7           | 1 13                 | 11 26         | 9 46            |
| 13 Tu.         |               | 16  | 4           | 16            | 5           | 15              | 5           | 14              | 6           | 13              | 8           | 1 46                 | ...           | 10 20           |
| 14 W.          |               | 14  | 6           | 14            | 6           | 13              | 6           | 13              | 7           | 12              | 9           | 2 20                 | 0 0m          | 10 53           |
| 15 Th.         |               | 12  | 7           | 12            | 7           | 12              | 7           | 11              | 8           | 10              | 9           | 2 53                 | 0 33          | 11 27           |
| 16 F.          |               | 10  | 8           | 10            | 8           | 10              | 8           | 10              | 9           | 9               | 10          | 3 27                 | 1 7           | ...             |
| 17 S.          |               | 9   | 9           | 9             | 9           | 9               | 9           | 9               | 9           | 8               | 10          | 4 6                  | 1 46          | 0 6m            |
| 18 Su.         |               | 6 7   | 6 10        | 6 7           | 6 10        | 6 7             | 6 10        | 6 8             | 6 10        | 6 7             | 6 11        | 4 52m                | 2 33m         | 0 52m           |
| 19 M.          |               | 5   | 11          | 5             | 11          | 5               | 11          | 6               | 11          | 6               | 11          | 6 3                  | 3 43          | 2 3             |
| 20 Tu.         |               | 3   | 12          | 3             | 12          | 3               | 12          | 5               | 11          | 5               | 12          | 7 26                 | 5 6           | 3 26            |
| 21 W.          |               | 2   | 14          | 2             | 13          | 2               | 13          | 3               | 12          | 3               | 12          | 8 44                 | 6 24          | 4 44            |
| 22 Th.         |               | 0   | 15          | 0             | 14          | 1               | 14          | 2               | 13          | 2               | 13          | 9 48                 | 7 28          | 5 48            |
| 23 F.          |               | 5 59  | 16          | 5 59          | 15          | 0               | 15          | 1               | 14          | 1               | 14          | 10 35                | 8 15          | 6 35            |
| 24 S.          |               | 57  | 17          | 58            | 16          | 5 58            | 16          | 5 59            | 14          | 5 59            | 14          | 11 16                | 8 56          | 7 16            |
| 25 Su.         |               | 5 55  | 6 19        | 5 56          | 6 17        | 5 56            | 6 17        | 5 58            | 6 15        | 5 58            | 6 15        | 11 53m               | 9 33m         | 7 53m           |
| 26 M.          |               | 53  | 20          | 54            | 18          | 55              | 18          | 56              | 16          | 56              | 16          | 0 31a                | 10 11         | 8 31            |
| 27 Tu.         |               | 52  | 21          | 53            | 19          | 54              | 19          | 55              | 16          | 55              | 16          | 1 9                  | 10 49         | 9 9             |
| 28 W.          |               | 50  | 22          | 52            | 20          | 53              | 20          | 54              | 17          | 54              | 17          | 1 49                 | 11 29         | 9 49            |
| 29 Th.         |               | 48  | 23          | 50            | 21          | 51              | 20          | 53              | 18          | 53              | 17          | 2 33                 | 0 13a         | 10 33           |
| 30 F.          |               | 46  | 24          | 48            | 22          | 49              | 21          | 52              | 18          | 52              | 18          | 3 17                 | 0 57          | 11 17           |
| 31 S.          |               | 44  | 25          | 46            | 23          | 47              | 22          | 50              | 19          | 50              | 18          | 4 8                  | 1 48          | 0 52            |



Passage of the Meridian (mean time) and Declination of the Planets.

| 1st day. |        | 7th day. |        | 13th day. |        | 19th day. |        | 25th day. |        |
|----------|--------|----------|--------|-----------|--------|-----------|--------|-----------|--------|
| souths.  | Dec.   | souths.  | Dec.   | souths.   | Dec.   | souths.   | Dec.   | souths.   | Dec.   |
| h. m.    | °      | h. m.    | °      | h. m.     | °      | h. m.     | °      | h. m.     | °      |
| 11 26m   | — 8 36 | 10 53m   | —10 50 | 10 34m    | —11 52 | 10 26m    | —11 39 | 10 26m    | —10 21 |
| 3 1a     | +12 40 | 2 59a    | +15 18 | 2 56a     | +17 44 | 2 53a     | +19 54 | 2 48a     | +21 49 |
| 9 36m    | —20 44 | 9 31m    | —19 44 | 9 26m     | —18 36 | 9 21m     | —17 21 | 9 16m     | —16 0  |
| 2 53a    | + 3 59 | 2 38a    | + 5 1  | 2 24a     | + 6 3  | 2 10a     | + 7 3  | 1 56a     | + 8 3  |
| 6 54     | + 9 3  | 6 38     | + 9 56 | 6 21      | +10 43 | 6 6       | +11 27 | 5 51      | +12 7  |
| 2 13m    | + 8 51 | 1 55m    | + 9 48 | 1 37m     | +10 48 | 1 18m     | +12 0  | 0 56m     | +13 16 |
| 7 33     | —22 3  | 7 17     | —22 12 | 7 0       | —22 30 | 6 43      | —22 27 | 6 26      | —22 35 |
| 10 30a   | +17 27 | 10 4a    | +17 37 | 9 39a     | +17 46 | 9 14a     | +17 53 | 8 49a     | +17 57 |
| 1 11     | — 3 30 | 0 50     | — 3 13 | 0 29      | — 2 55 | 0 8       | — 2 37 | 11 47m    | — 2 20 |
| 2 87     | + 7 17 | 2 15     | + 7 24 | 1 52      | + 7 31 | 1 30      | + 7 38 | 1 7a      | + 7 46 |

| Days of Month. | Moon Souths.<br>Mean Time. | Moon rises or sets. Mean Time. |              |             |              |               |
|----------------|----------------------------|--------------------------------|--------------|-------------|--------------|---------------|
|                |                            | Boston, &c.                    | N. York, &c. | Wash'n, &c. | Ch'ston, &c. | N. Ori's, &c. |
|                |                            | sets.                          | sets.        | sets.       | sets.        | sets.         |
|                |                            | h. m.                          | h. m.        | h. m.       | h. m.        | h. m.         |
| 1              | 6 1a                       | 0 17m                          | 0 15m        | 0 11m       | 0 1m         | . . .         |
| 2              | 6 58                       | 1 24                           | 1 20         | 1 16        | 1 5          | 1 2m          |
| 3              | 7 56                       | 2 26                           | 2 22         | 2 17        | 2 5          | 2 1           |
| S.             | 8 52a                      | 3 22m                          | 3 18m        | 3 14m       | 3 1m         | 2 58m         |
| 5              | 9 48                       | 4 13                           | 4 9          | 4 5         | 3 54         | 3 51          |
| 6              | 10 43                      | 4 56                           | 4 53         | 4 51        | 4 41         | 4 38          |
| 7              | 11 31                      | rises.                         | rises.       | rises.      | rises.       | rises.        |
| 8              | 8                          | 5 47a                          | 5 48a        | 5 50a       | 5 54a        | 5 58a         |
| 9              | 0 20m                      | 6 50                           | 6 51         | 6 51        | 6 58         | 6 54          |
| 10             | 1 7                        | 7 52                           | 7 51         | 7 52        | 7 50         | 7 50          |
| S.             | 1 52m                      | 8 52a                          | 8 51a        | 8 50a       | 8 45a        | 8 45a         |
| 12             | 2 38                       | 9 51                           | 9 48         | 9 46        | 9 40         | 9 38          |
| 13             | 3 22                       | 10 47                          | 10 44        | 10 43       | 10 34        | 10 31         |
| 14             | 4 7                        | 11 43                          | 11 41        | 11 37       | 11 26        | 11 23         |
| 15             | 4 53                       | . . .                          | . . .        | . . .       | . . .        | . . .         |
| 16             | 5 40                       | 0 37m                          | 0 33m        | 0 29m       | 0 17m        | 0 13m         |
| 17             | 6 28                       | 1 29                           | 1 25         | 1 20        | 1 8          | 1 3           |
| S.             | 7 16m                      | 2 16m                          | 2 12m        | 2 8m        | 1 55m        | 1 51m         |
| 19             | 8 5                        | 3 2                            | 2 58         | 2 54        | 2 43         | 2 38          |
| 20             | 8 54                       | 3 43                           | 3 40         | 3 36        | 3 25         | 3 22          |
| 21             | 9 44                       | 4 21                           | 4 18         | 4 16        | 4 8          | 4 5           |
| 22             | 10 34                      | 4 58                           | 4 56         | 4 55        | 4 48         | 4 47          |
| 23             | 11 25                      | sets.                          | sets.        | sets.       | sets.        | sets.         |
| 24             | 0 16a                      | 6 33a                          | 6 34a        | 6 34a       | 6 34a        | 6 35a         |
| 1              | 8a                         | 7 44a                          | 7 43a        | 7 43a       | 7 39a        | 7 39a         |
| 26             | 2 3                        | 8 55                           | 8 54         | 8 51        | 8 44         | 8 44          |
| 27             | 2 58                       | 10 7                           | 10 4         | 10 2        | 9 53         | 9 50          |
| 28             | 3 55                       | 11 15                          | 11 12        | 11 9        | 10 57        | 10 54         |
| 29             | 4 53                       | . . .                          | . . .        | . . .       | 11 59        | 11 56         |
| 30             | 5 51                       | 0 20m                          | 0 16m        | 0 12m       | . . .        | . . .         |
| 31             | 6 48                       | 1 19                           | 1 15         | 1 11        | 0 58m        | 0 54m         |

## PHENOMENA AND OBSERVATIONS.

## Sundays and Holidays.

Washington Mean Time.

d. h. m. o.

St. David.

1 6 52a ♀ gr. elong. 46 22 E.

8 3 31m ♂ ♂ π ♄ \* 1 55 N.

2d Sunday in Lent.

6 8 25m ♂ ♃ ♃ ♃ 3 35 N.

7 4 43m ♂ ♂ ♄ ♄ \* 1 17 N.

8 4 1m ♀ stationary.

Lunar eclipse, vis. in U. S.

10 2 52m ♀ in Perihelion.

15 2 2a ♀ in ♄.

3d Sunday in Lent.

18 7 27m ♂ ♃.

18 6 2a ♂ ♂ ♄ ♄ \* 1 54 N.

19 2 10m ☐ ♃. [begins.

20 0 5a ☉ enters ♏. Spring

20 8 25a ♂ ♂ ♄ ♄ \* 0 13 S.

St. Patrick.

4th Sunday in Lent.

20 9 38a ♂ ♂ ♃ ♃ ♃ 3 34 S.

22 6 22m ♂ ♂ ♃ ♃ ♃ 2 0 S.

23 10 15m ♂ ♃ ♃ ♃ \* 0 6 S.

22 7 1a ♀ gr. elong. 27 46 W.

22 7 22a ☐ ♃.

24 0 39m ♂ ♃ ♃ ♃ 0 35 S.

5th Sun. in Lent. Lady Day.

25 0 22a ♂ ♃ ♃ ♃ 2 52 N.

25 5 50a ♀ in Aphelion.

27 9 17m ♂ ♃ ♃ ♃ ♃ 9 50 N.

27 5 18a ♂ ♃ ♃ ♃ \* 1 55 S.

30 3 18m ☐ ♃.

31 3 33m ♂ ♂ ♄ ♄ \* 0 36 N.

Twilight begins and ends. Mean Time.

|           | 1st day. |       | 7th day. |       | 13th day. |       | 19th day. |       | 25th day. |       |
|-----------|----------|-------|----------|-------|-----------|-------|-----------|-------|-----------|-------|
|           | Begins.  | Ends. | Begins.  | Ends. | Begins.   | Ends. | Begins.   | Ends. | Begins.   | Ends. |
|           | h. m.    | h. m. | h. m.    | h. m. | h. m.     | h. m. | h. m.     | h. m. | h. m.     | h. m. |
| Boston,   | 4 7m     | 8 12  | 3 55m    | 8 92  | 3 43m     | 8 182 | 3 31m     | 8 272 | 3 19m     | 8 272 |
| N. York,  | 4 11     | 7 57  | 3 59     | 8 5   | 3 48      | 8 14  | 3 37      | 8 22  | 3 26      | 8 30  |
| Wash'n,   | 4 15     | 7 53  | 4 4      | 8 1   | 3 53      | 8 9   | 3 43      | 8 17  | 3 33      | 8 25  |
| Charles., | 4 25     | 7 43  | 4 16     | 7 49  | 4 7       | 7 55  | 3 59      | 8 0   | 3 51      | 8 5   |
| N. Orl's, | 4 29     | 7 39  | 4 21     | 7 44  | 4 13      | 7 49  | 4 5       | 7 53  | 3 56      | 7 56  |

APOGEE AND PERIGEE OF THE MOON.

Apogee, 12th day, 5h. M. | Perigee, 24th day, 5h. M.

PHASES OF THE MOON.

Full Moon, 7th day, 10h. 41.3m. M. | New Moon, 22d day, 6h. 46.0m. A.  
Last Quarter, 15th " 1 59.4 A. | First Quarter, 29th " 9 15.2 M.

| Days of Month. | Days of Week. | Sun's upper limb rises and sets (cor. for refr.) M. Time. |             |               |             |                 |             |                 |             |                 |             | High Water. M. Time. |               |                 |
|----------------|---------------|---|-------------|---------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|----------------------|---------------|-----------------|
|                |               | Boston, &c.   |             | New York, &c. |             | Washington, &c. |             | Charleston, &c. |             | N. Orleans, &c. |             | Boston, &c.          | New York, &c. | Charleston, &c. |
|                |               | rises. h. m.  | sets. h. m. | rises. h. m.  | sets. h. m. | rises. h. m.    | sets. h. m. | rises. h. m.    | sets. h. m. | rises. h. m.    | sets. h. m. | h. m.                | h. m.         | h. m.           |
| 1 Su.          |               | 5 43  | 6 26        | 5 45          | 6 24        | 5 46            | 6 23        | 5 49            | 6 20        | 5 49            | 6 19        | 5 112                | 2 512         | 1 112           |
| 2 M.           |               | 42  | 28          | 44            | 26          | 45              | 24          | 48              | 21          | 48              | 20          | 6 25                 | 4 15          | 2 35            |
| 3 Tu.          |               | 40  | 29          | 42            | 27          | 43              | 25          | 46              | 21          | 46              | 20          | 8 2                  | 5 42          | 4 2             |
| 4 W.           |               | 38  | 30          | 40            | 28          | 41              | 26          | 45              | 22          | 45              | 21          | 9 19                 | 6 59          | 5 19            |
| 5 Th.          |               | 36  | 31          | 38            | 29          | 40              | 27          | 44              | 23          | 44              | 21          | 10 13                | 7 53          | 6 13            |
| 6 F.           |               | 34  | 32          | 36            | 30          | 38              | 28          | 43              | 23          | 43              | 22          | 10 59                | 8 39          | 6 59            |
| 7 S.           |               | 32  | 33          | 34            | 31          | 36              | 29          | 41              | 24          | 41              | 22          | 11 36                | 9 16          | 7 36            |
| 8 Su.          |               | 5 31  | 6 34        | 5 33          | 6 32        | 5 35            | 6 30        | 5 39            | 6 25        | 5 40            | 6 23        | ...                  | 9 522         | 8 122           |
| 9 M.           |               | 29  | 35          | 31            | 33          | 33              | 31          | 38              | 25          | 39              | 23          | 0 12m                | 10 26         | 8 46            |
| 10 Tu.         |               | 27  | 36          | 29            | 34          | 31              | 32          | 37              | 26          | 38              | 24          | 0 46                 | 10 58         | 9 18            |
| 11 W.          |               | 26  | 37          | 28            | 35          | 30              | 33          | 35              | 27          | 37              | 24          | 1 18                 | 11 31         | 9 51            |
| 12 Th.         |               | 24  | 38          | 26            | 36          | 28              | 34          | 34              | 27          | 36              | 25          | 1 51                 | ...           | 10 21           |
| 13 F.          |               | 23  | 40          | 25            | 38          | 27              | 35          | 33              | 28          | 35              | 25          | 2 21                 | 0 1m          | 10 55           |
| 14 S.          |               | 21  | 41          | 23            | 39          | 26              | 36          | 32              | 29          | 34              | 26          | 2 55                 | 0 35          | 11 33           |
| 15 Su.         |               | 5 19  | 6 42        | 5 21          | 6 40        | 5 24            | 6 37        | 5 31            | 6 30        | 5 33            | 6 27        | 3 33m                | 1 13m         | ...             |
| 16 M.          |               | 18  | 43          | 20            | 41          | 23              | 38          | 30              | 30          | 32              | 27          | 4 19                 | 1 59          | 0 19m           |
| 17 Tu.         |               | 16  | 44          | 18            | 42          | 22              | 39          | 29              | 31          | 31              | 28          | 5 19                 | 2 59          | 1 19            |
| 18 W.          |               | 14  | 45          | 16            | 43          | 20              | 40          | 28              | 32          | 30              | 29          | 6 42                 | 4 22          | 2 42            |
| 19 Th.         |               | 13  | 47          | 15            | 44          | 19              | 41          | 27              | 32          | 29              | 29          | 7 57                 | 5 37          | 3 57            |
| 20 F.          |               | 11  | 48          | 13            | 45          | 17              | 42          | 25              | 33          | 28              | 30          | 9 6                  | 6 46          | 5 6             |
| 21 S.          |               | 10  | 49          | 12            | 46          | 16              | 43          | 24              | 34          | 27              | 30          | 9 58                 | 7 38          | 5 58            |
| 22 Su.         |               | 5 8   | 6 50        | 5 10          | 6 47        | 5 14            | 6 44        | 5 23            | 6 35        | 5 26            | 6 31        | 10 41m               | 8 21m         | 6 41m           |
| 23 M.          |               | 6   | 51          | 9             | 48          | 13              | 45          | 22              | 35          | 25              | 31          | 11 22                | 9 2           | 7 22            |
| 24 Tu.         |               | 5   | 52          | 8             | 49          | 12              | 46          | 21              | 36          | 24              | 32          | 0 42                 | 9 44          | 8 4             |
| 25 W.          |               | 3   | 53          | 6             | 50          | 10              | 46          | 20              | 37          | 23              | 33          | 0 47                 | 10 27         | 8 47            |
| 26 Th.         |               | 2   | 54          | 5             | 51          | 9               | 47          | 19              | 37          | 22              | 33          | 1 30                 | 11 10         | 9 30            |
| 27 F.          |               | 1   | 55          | 4             | 52          | 8               | 48          | 18              | 38          | 21              | 34          | 2 16                 | 11 56         | 10 16           |
| 28 S.          |               | 4 59  | 56          | 2             | 53          | 6               | 49          | 16              | 39          | 20              | 35          | 3 5                  | 0 452         | 11 5            |
| 29 Su.         |               | 4 58  | 6 58        | 3 1           | 6 54        | 5 5             | 6 50        | 5 15            | 6 39        | 5 19            | 6 35        | 3 592                | 1 392         | 11 59m          |
| 30 M.          |               | 56  | 59          | 0             | 55          | 3               | 51          | 14              | 40          | 18              | 36          | 4 2                  | 2 42          | 0 22            |

## Passage of the Meridian (mean time) and Declination of the Planets.

| Table of the heights (mean water) and bottom of the channel |          |       |          |        |           |        |           |       |           |      |  |
|---|----------|-------|----------|--------|-----------|--------|-----------|-------|-----------|------|--|
| Date.   | 1st day. |       | 7th day. |        | 13th day. |        | 19th day. |       | 25th day. |      |  |
|   | souths.  | Dec.  | souths.  | Dec.   | souths.   | Dec.   | souths.   | Dec.  | souths.   | Dec. |  |
|   | h. m.    | o.    | h. m.    | o.     | h. m.     | o.     | h. m.     | o.    | h. m.     | o.   |  |
|   | 10 32m   | 7 40  | 10 40m   | 4 30   | 10 52m    | 0 38   | 11 6m     | 3 50  | 11 24m    | 8 48 |  |
| 2 39a   | + 23 38  | 2 29a | + 24 50  | 2 14a  | + 25 37   | 1 55a  | + 25 57   | 1 30a | + 25 44   |      |  |
| 9 9m  | — 14 24  | 9 3m  | — 13 2   | 8 57m  | — 11 27   | 8 51m  | — 9 48    | 8 45m | — 8 6     |      |  |
| 1 39a   | + 9 6    | 1 26a | + 10 8   | 1 12a  | + 10 56   | 0 58a  | + 11 51   | 0 44a | + 12 42   |      |  |
| 5 32  | + 12 48  | 5 20  | + 13 20  | 5 6    | + 13 46   | 4 52   | + 16 8    | 4 39  | + 14 25   |      |  |
| 0 33m   | — 14 26  | 0 13m | — 15 35  | 11 47  | + 16 55   | 11 25  | + 18 4    | 11 1  | + 19 11   |      |  |
| 1 3   | — 22 46  | 0 46  | — 22 55  | 0 26m  | — 23 6    | 0 6m   | — 23 18   | 11 41 | — 23 35   |      |  |
| 8 20a   | + 18 1   | 7 57a | + 18 1   | 7 33a  | + 18 0    | 7 10a  | + 17 57   | 6 48  | + 17 50   |      |  |
| 11 23m  | — 2 0    | 11 2m | — 1 43   | 10 41m | — 1 26    | 10 20m | — 1 10    | 9 59m | — 0 55    |      |  |
| 0 41a   | + 7 54   | 0 23a | + 8 2    | 11 57  | + 8 10    | 11 34  | + 8 18    | 11 12 | + 8 25    |      |  |

| Days of Month. | Moon Souths.<br>Mean Time. | Moon rises or sets. Mean Time. |                |                |                |                | PHENOMENA AND OBSERVATIONS.       |
|----------------|----------------------------|--------------------------------|----------------|----------------|----------------|----------------|-----------------------------------|
|                |                            | Boston, &c.                    | N. York, &c.   | Wash'n, &c.    | Ch'ston, &c.   | N. Ori's, &c.  |                                   |
|                |                            | sets.<br>h. m.                 | sets.<br>h. m. | sets.<br>h. m. | sets.<br>h. m. | sets.<br>h. m. |                                   |
| 2              | 7 43a                      | 2 10m                          | 2 7m           | 2 3m           | 1 51m          | 1 48m          | Washington Mean Time.<br>d. h. m. |
| 3              | 8 36                       | 2 55                           | 2 54           | 2 50           | 2 40           | 2 36           | Palm Sunday.                      |
| 4              | 9 26                       | 3 36                           | 3 33           | 3 31           | 3 23           | 3 21           | 1 5 24m ♀ gr. Hel. Lat. N.        |
| 5              | 10 15                      | 4 11                           | 4 10           | 4 9            | 4 3            | 4 2            | 2 11 34m ♂ ♀ 2 38 N.              |
| 6              | 11 1                       | rises.                         | rises.         | rises.         | rises.         | rises.         | 4 1 52a ♂ ♀ 1 50 S.               |
| 7              | 11 47                      | 5 40a                          | 5 40a          | 5 41a          | 5 40a          | 5 41a          | 4 3 52a ♂ ♀ 2 1 0                 |
| 8              | ♂                          | 6 39                           | 6 39           | 6 38           | 6 35           | 6 35           | Good Friday.                      |
| 9              | 0 23m                      | 7 40a                          | 7 38a          | 7 36a          | 7 30a          | 7 29a          | 6 11 9a ♀ at gr. brilliancy.      |
| 10             | 1 17                       | 8 37                           | 8 35           | 8 33           | 8 25           | 8 23           | EASTER SUNDAY.                    |
| 11             | 2 2                        | 9 24                           | 9 22           | 9 20           | 9 18           | 9 15           | 8 8 27m ♀ stationary.             |
| 12             | 2 47                       | 10 30                          | 10 26          | 10 23          | 10 10          | 10 6           | 9 7 0m ♀ in ☾.                    |
| 13             | 3 24                       | 11 21                          | 11 17          | 11 13          | 11 0           | 10 56          | 9 4 54a ♂ ♀ 17 8 * 1 31 S.        |
| 14             | 4 21                       | ...                            | ...            | ...            | 11 48          | 11 45          | 11 9 9m ♂ ♀ 7 8 * 1 45 S.         |
| 15             | 5 8                        | 0 9m                           | 0 5m           | 0 1m           | ...            | ...            | 11 11 1m ♂ ♀ 2 * 0 27 S.          |
| 16             | 5 57m                      | 0 55m                          | 0 51m          | 0 47m          | 0 35m          | 0 30m          | 12 2 5m ♂ ♀ ☽.                    |
| 17             | 6 45                       | 1 38                           | 1 35           | 1 31           | 1 19           | 1 15           | Low Sunday.                       |
| 18             | 7 33                       | 2 16                           | 2 14           | 2 10           | 2 1            | 1 58           | 12 2 27a ♂ ♀ 27 8 * 1 56 S.       |
| 19             | 8 23                       | 2 53                           | 2 50           | 2 45           | 2 41           | 2 39           | 15 4 20m ♀ gr. Hel. Lat. S.       |
| 20             | 9 12                       | 3 26                           | 3 26           | 3 24           | 3 19           | 3 19           | 18 11 6a ♂ ♀ 1 46 S.              |
| 21             | 10 2                       | 4 2                            | 4 1            | 4 0            | 3 59           | 3 59           | 20 4 19a ♂ ♀ 2 0 17 S.            |
| 22             | 10 54                      | sets.                          | sets.          | sets.          | sets.          | sets.          | 21 6 22m ♀ stationary.            |
| 23             | 11 47m                     | 6 33a                          | 6 33a          | 6 31a          | 6 25a          | 6 25a          | 21 7 40a ♂ ♀ 2 1 23 N.            |
| 24             | 0 44a                      | 7 47                           | 7 45           | 7 43           | 7 34           | 7 32           | 2d Sunday after Easter.           |
| 25             | 1 43                       | 8 50                           | 8 57           | 8 53           | 8 42           | 8 40           | St. George.                       |
| 26             | 2 43                       | 10 9                           | 10 5           | 10 1           | 9 48           | 9 45           | 23 0 36m ♂ ♀ ☽ 2 58 N.            |
| 27             | 3 43                       | 11 12                          | 11 8           | 11 3           | 10 50          | 10 47          | St. Mark.                         |
| 28             | 4 43                       | ...                            | ...            | ...            | 11 47          | 11 44          | 23 7 0m ♀ stationary.             |
| 29             | 5 39                       | 0 8m                           | 0 4m           | 0 0m           | ...            | ...            | 23 2 35a ♂ ♀ ☽ 1 9 S.             |
| 30             | 6 33a                      | 0 55m                          | 0 53m          | 0 49m          | 0 39m          | 0 34m          | 24 10 20m ♂ ♀ ☽ 11 3 N.           |
| 31             | 7 24                       | 1 38                           | 1 35           | 1 33           | 1 23           | 1 21           | 3d Sunday after Easter.           |
|                |                            |                                |                |                |                |                | 29 6 5a ♂ ♀ ☽ 2 3 22 N.           |

Twilight begins and ends. Mean Time.

|           | 1st day. |       | 7th day. |       | 13th day. |       | 19th day. |       | 25th day. |       |
|-----------|----------|-------|----------|-------|-----------|-------|-----------|-------|-----------|-------|
|           | Begins.  | Ends. | Begins.  | Ends. | Begins.   | Ends. | Begins.   | Ends. | Begins.   | Ends. |
|           | h. m.    | h. m. | h. m.    | h. m. | h. m.     | h. m. | h. m.     | h. m. | h. m.     | h. m. |
| Boston,   | 3 7m     | 8 47a | 3 56m    | 8 57a | 3 45m     | 9 7a  | 3 35m     | 9 17a | 3 26m     | 9 28a |
| N. York,  | 3 14     | 8 40  | 3 4      | 8 49  | 3 54      | 8 58  | 3 45      | 9 8   | 3 36      | 9 18  |
| Wash'n,   | 3 22     | 8 32  | 3 13     | 8 40  | 3 4       | 8 48  | 3 55      | 8 57  | 3 47      | 9 7   |
| Charles., | 3 43     | 8 11  | 3 36     | 8 17  | 3 28      | 8 24  | 3 23      | 8 30  | 3 17      | 8 37  |
| N. Orl's, | 3 51     | 8 3   | 3 45     | 8 8   | 3 38      | 8 14  | 3 33      | 8 20  | 3 28      | 8 26  |

APOGEE AND PERIGEE OF THE MOON.

Apogee, 9th day, 4h. A.

Perigee, 22d day, 1h. A.

PHASES OF THE MOON.

Full Moon, 7th day, 1h. 59.5m. M. | New Moon, 22d day, 2h. 28.3m. M.  
Last Quarter, 15th " 5 21.8 M. | First Quarter, 28th " 6 14.9 A.

| Days of Month. | Days of Week. | Sun's upper limb rises and sets (cor. for refr.) M. Time. |       |               |       |                 |       |                 |       |                 |       | High Water. M. Time. |               |                 |
|----------------|---------------|---|-------|---------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|----------------------|---------------|-----------------|
|                |               | Boston, &c.   |       | New York, &c. |       | Washington, &c. |       | Charleston, &c. |       | N. Orleans, &c. |       | Boston, &c.          | New York, &c. | Charleston, &c. |
|                |               | rises.  | sets. | rises.        | sets. | rises.          | sets. | rises.          | sets. | rises.          | sets. | h. m.                | h. m.         | h. m.           |
| 1              | Tu.           | 4 55  | 7 0   | 4 59          | 6 56  | 5 2             | 5 52  | 5 13            | 6 41  | 5 17            | 6 37  | 6 21a                | 4 18          | 3 21a           |
| 2              | W.            | 53  | 1     | 57            | 57    | 1               | 53    | 12              | 42    | 16              | 38    | 7 40                 | 5 20          | 3 40            |
| 3              | Th.           | 52  | 2     | 56            | 58    | 0               | 54    | 11              | 43    | 15              | 39    | 8 53                 | 6 33          | 4 53            |
| 4              | F.            | 50  | 3     | 54            | 59    | 4 58            | 55    | 10              | 44    | 14              | 40    | 9 47                 | 7 27          | 5 47            |
| 5              | S.            | 49  | 4     | 53            | 7 0   | 57              | 56    | 10              | 45    | 13              | 40    | 10 32                | 8 12          | 6 32            |
| 6              | Su.           | 4 48  | 7 5   | 4 52          | 7 1   | 4 56            | 6 57  | 5 9             | 6 45  | 5 13            | 6 41  | 11 13a               | 8 53a         | 7 13a           |
| 7              | M.            | 47  | 6     | 51            | 2     | 55              | 58    | 8               | 46    | 12              | 42    | 11 45                | 9 25          | 7 45            |
| 8              | Tu.           | 46  | 7     | 50            | 3     | 54              | 59    | 7               | 47    | 11              | 42    | . . .                | 10 0          | 8 20            |
| 9              | W.            | 45  | 8     | 49            | 4     | 53              | 7 0   | 6               | 47    | 11              | 43    | 0 20m                | 10 32         | 8 52            |
| 10             | Th.           | 44  | 9     | 48            | 5     | 52              | 1     | 5               | 48    | 10              | 44    | 0 52                 | 11 5          | 9 25            |
| 11             | F.            | 43  | 10    | 47            | 6     | 51              | 2     | 5               | 49    | 9               | 44    | 1 25                 | 11 36         | 9 56            |
| 12             | S.            | 42  | 11    | 46            | 7     | 50              | 3     | 4               | 49    | 9               | 45    | 1 56                 | . . .         | 10 31           |
| 13             | Su.           | 4 41  | 7 12  | 4 45          | 7 8   | 4 49            | 7 4   | 5 3             | 6 50  | 5 8             | 6 45  | 2 31m                | 0 11m         | 11 2a           |
| 14             | M.            | 40  | 13    | 44            | 9     | 48              | 5     | 2               | 51    | 7               | 46    | 3 9                  | 0 49          | 11 55           |
| 15             | Tu.           | 39  | 14    | 43            | 10    | 47              | 6     | 2               | 51    | 7               | 46    | 3 55                 | 1 35          | . . .           |
| 16             | W.            | 38  | 15    | 43            | 11    | 46              | 7     | 1               | 52    | 6               | 47    | 4 47                 | 2 27          | 0 47m           |
| 17             | Th.           | 37  | 16    | 42            | 12    | 46              | 7     | 1               | 53    | 6               | 48    | 5 57                 | 3 37          | 1 57            |
| 18             | F.            | 36  | 17    | 41            | 13    | 45              | 8     | 0               | 53    | 5               | 48    | 7 9                  | 4 49          | 3 9             |
| 19             | S.            | 36  | 18    | 40            | 14    | 44              | 9     | 0               | 54    | 5               | 49    | 8 18                 | 5 58          | 4 18            |
| 20             | Su.           | 4 35  | 7 19  | 4 39          | 7 15  | 4 44            | 7 10  | 4 59            | 6 55  | 5 4             | 6 49  | 9 16m                | 6 56m         | 5 16m           |
| 21             | M.            | 34  | 20    | 39            | 16    | 43              | 10    | 58              | 55    | 4               | 50    | 10 5                 | 7 45          | 6 5             |
| 22             | Tu.           | 33  | 21    | 38            | 16    | 43              | 11    | 58              | 56    | 3               | 50    | 10 53                | 8 33          | 6 53            |
| 23             | W.            | 32  | 22    | 37            | 17    | 42              | 12    | 57              | 57    | 3               | 51    | 11 41                | 9 21          | 7 41            |
| 24             | Th.           | 32  | 23    | 36            | 18    | 42              | 13    | 57              | 57    | 2               | 52    | 0 28                 | 10 8          | 8 28            |
| 25             | F.            | 31  | 24    | 36            | 19    | 41              | 14    | 56              | 58    | 2               | 52    | 1 14                 | 10 54         | 9 14            |
| 26             | S.            | 30  | 25    | 35            | 20    | 40              | 15    | 56              | 58    | 1               | 53    | 2 4                  | 11 44         | 10 4            |
| 27             | Su.           | 4 30  | 7 26  | 4 34          | 7 21  | 4 40            | 7 16  | 4 55            | 6 59  | 5 1             | 6 53  | 2 56m                | 0 36a         | 10 56m          |
| 28             | M.            | 29  | 27    | 34            | 22    | 39              | 16    | 55              | 7 0   | 1               | 54    | 3 49                 | 1 29          | 11 49           |
| 29             | Tu.           | 28  | 27    | 33            | 23    | 39              | 17    | 55              | 0     | 0               | 54    | 4 49                 | 2 29          | 0 49a           |
| 30             | W.            | 27  | 28    | 32            | 23    | 38              | 18    | 54              | 1     | 0               | 55    | 5 52                 | 3 22          | 1 52            |
| 31             | Th.           | 26  | 29    | 31            | 24    | 37              | 18    | 54              | 1     | 0               | 55    | 7 6                  | 4 46          | 3 6             |

## Passage of the Meridian (mean time) and Declination of the Planets.

|        | 1st day. |       | 7th day. |       | 13th day. |       | 19th day. |       | 25th day. |       |
|--------|----------|-------|----------|-------|-----------|-------|-----------|-------|-----------|-------|
|        | souths.  | Dec.  | souths.  | Dec.  | souths.   | Dec.  | souths.   | Dec.  | souths.   | Dec.  |
|        | h. m.    | ° ' " | h. m.    | ° ' " | h. m.     | ° ' " | h. m.     | ° ' " | h. m.     | ° ' " |
| 11 47m | 18 56    | 0 148 | 18 45    | 0 25  | 18 32     | 0 43a | 24 49     | 1 28a | 25 38     | 1 28a |
| 1 0a   | 24 51    | 0 25  | 23 17    | 8 25m | 21 10     | 8 25  | 1 2       | 8 11  | 16 45     | 8 11  |
| 8 39m  | 6 21     | 0 82m | 4 36     | 8 25  | 3 49      | 8 18  | 15 42     | 8 11  | 0 45      | 8 11  |
| 0 31a  | 13 30    | 0 18a | 14 17    | 0 58  | 15 1      | 11 51 | 16 42     | 11 39 | 16 22     | 11 39 |
| 4 25   | 14 38    | 4 12  | 14 45    | 4 0   | 14 49     | 3 47a | 14 48     | 3 34a | 14 44     | 3 34a |
| 3 41m  | 20 4     | 3 16m | 21 4     | 2 49m | 22 0      | 2 24m | 22 49     | 1 55m | 23 30     | 1 55m |
| 4 23   | 23 49    | 4 0   | 24 7     | 3 36  | 24 28     | 3 11  | 24 51     | 2 45  | 25 16     | 2 45  |
| 6 26a  | 17 44    | 6 4a  | 17 36    | 5 42a | 17 36     | 5 21a | 17 14     | 5 18  | 17 0      | 5 18  |
| 9 38m  | 0 40     | 9 17m | 0 26     | 8 55m | 0 13      | 8 34m | 0 0       | 8 12m | 0 11      | 8 12m |
| 10 50  | 8 33     | 10 37 | 8 40     | 10 5  | 8 47      | 9 42  | 8 54      | 9 20  | 9 0       | 9 20  |

| Days of Month. | Moon Souths.<br>Mean Time. | Moon rises or sets. Mean Time. |              |             |              |               |
|----------------|----------------------------|--------------------------------|--------------|-------------|--------------|---------------|
|                |                            | Boston, &c.                    | N. York, &c. | Wash'n, &c. | Ch'ston, &c. | N. Ori's, &c. |
|                |                            | sets.                          | sets.        | sets.       | sets.        | sets.         |
| 1              | 8 13a                      | 2 16m                          | 2 13m        | 2 11m       | 2 5m         | 2 3m          |
| 2              | 8 50                       | 2 47                           | 2 46         | 2 45        | 2 41         | 2 40          |
| 3              | 9 44                       | 3 18                           | 3 18         | 3 18        | 3 17         | 3 17          |
| 4              | 10 29                      | 3 48                           | 3 49         | 3 49        | 3 51         | 3 53          |
| 5              | 11 13                      | rises.                         | rises.       | rises.      | rises.       | rises.        |
| 6              | 11 58a                     | 6 29a                          | 6 27a        | 6 25a       | 6 18a        | 6 16a         |
| 7              | 8                          | 7 27                           | 7 26         | 7 23        | 7 12         | 7 9           |
| 8              | 0 43m                      | 8 23                           | 8 20         | 8 16        | 8 4          | 8 1           |
| 9              | 1 29                       | 9 16                           | 9 12         | 9 7         | 8 55         | 8 51          |
| 10             | 2 16                       | 10 6                           | 10 2         | 9 58        | 9 45         | 9 41          |
| 11             | 3 4                        | 10 53                          | 10 49        | 10 45       | 10 32        | 10 29         |
| 12             | 3 52                       | 11 36                          | 11 32        | 11 28       | 11 16        | 11 12         |
| 13             | 4 39m                      | ...                            | ...          | ...         | 11 58a       | 11 55a        |
| 14             | 5 27                       | 0 15m                          | 0 12m        | 0 9m        | ...          | ...           |
| 15             | 6 15                       | 0 52                           | 0 49         | 0 47        | 0 39m        | 0 36m         |
| 16             | 7 2                        | 1 26                           | 1 24         | 1 22        | 1 15         | 1 15          |
| 17             | 7 51                       | 1 58                           | 1 57         | 1 57        | 1 58         | 1 52          |
| 18             | 8 40                       | 2 31                           | 2 31         | 2 31        | 2 31         | 2 32          |
| 19             | 9 32                       | 3 5                            | 3 5          | 3 7         | 3 9          | 3 12          |
| 20             | 10 27m                     | 3 40m                          | 3 43m        | 3 45m       | 3 51m        | 3 54m         |
| 21             | 11 24                      | sets.                          | sets.        | sets.       | sets.        | sets.         |
| 22             | 0 25a                      | 7 49a                          | 7 45a        | 7 41a       | 7 29a        | 7 26a         |
| 23             | 1 26                       | 8 57                           | 8 53         | 8 49        | 8 36         | 8 32          |
| 24             | 2 28                       | 9 56                           | 9 54         | 9 50        | 9 37         | 9 33          |
| 25             | 3 29                       | 10 52                          | 10 48        | 10 44       | 10 32        | 10 29         |
| 26             | 4 26                       | 11 37                          | 11 35        | 11 31       | 11 21        | 11 18         |
| 27             | 5 20a                      | ...                            | ...          | ...         | ...          | ...           |
| 28             | 6 10                       | 0 17m                          | 0 15m        | 0 12m       | 0 5m         | 0 3m          |
| 29             | 6 58                       | 0 51                           | 0 49         | 0 48        | 0 43         | 0 43          |
| 30             | 7 44                       | 1 18                           | 1 18         | 1 18        | 1 16         | 1 17          |
| 31             | 8 28                       | 1 52                           | 1 53         | 1 53        | 1 55         | 1 55          |

## PHENOMENA AND OBSERVATIONS.

## Sundays and Holidays.

## Washington Mean Time.

d. h. m. St. Philip and St. James.

1 8 12a 6 51 11 \* 1 47 N.

2 2 35a Sup. 6 50.

3 9 45a 6 40.

4 3 50m 6 30.

## 4th Sunday after Easter.

8 0 43m 6 50 11 46 N.

8 7 0m 7 stationary.

8 8 24m 6 50 11 39 S.

8 5 27a 6 in Perihelion.

12 0 52m 6 gr. Hel. Lat. S.

12 0 20a Inf. 6 50.

## Rogation Sunday.

13 7 0m 6 50 11 20 N.

14 6 31m 6 50 11 14 S.

14 11 41a 6 50 11 3 S.

## Ascension Day.

15 7 0a 6 50.

17 10 10a 6 50 11 17 N.

## Sunday after Ascension.

18 6 57m 6 50 11 0 S N.

19 1 21m 6 gr. Hel. Lat. N.

19 1 45a 6 50 11 3 10 N.

21 1 14m 6 50 11 6 17 N.

23 11 32m 6 50 11 7 8 N.

25 6 0a 6 50 11 0 40 N.

## Whitsunday.

27 5 29m 6 50 11 2 51 N.

27 7 0m 6 in 8.

31 7 0m 6 gr. Hel. Lat. N.

## Twilight begins and ends. Mean Time.

|           | 1st day. |       | 7th day. |       | 13th day. |       | 19th day. |       | 25th day. |       |
|-----------|----------|-------|----------|-------|-----------|-------|-----------|-------|-----------|-------|
|           | Beginns. | Ends. | Beginns. | Ends. | Beginns.  | Ends. | Beginns.  | Ends. | Beginns.  | Ends. |
|           | h. m.    | h. m. | h. m.    | h. m. | h. m.     | h. m. | h. m.     | h. m. | h. m.     | h. m. |
| Boston,   | 3 17m    | 9 37a | 3 12m    | 9 44a | 3 9m      | 9 50a | 3 8m      | 9 54a | 3 9m      | 9 55a |
| N. York,  | 3 29     | 9 25  | 3 25     | 9 31  | 3 23      | 9 37  | 3 22      | 9 40  | 3 23      | 9 41  |
| Wash'n,   | 3 41     | 9 13  | 3 37     | 9 19  | 3 35      | 9 24  | 3 35      | 9 27  | 3 36      | 9 28  |
| Charles., | 3 13     | 8 41  | 3 10     | 8 46  | 3 10      | 8 50  | 3 10      | 8 52  | 3 11      | 8 53  |
| N. Orl's, | 3 24     | 8 30  | 3 22     | 8 34  | 3 22      | 8 36  | 3 22      | 8 40  | 3 23      | 8 41  |

## APOGEE AND PERIGEE OF THE MOON.

Apogee, 5th day, 10h. A.

Perigee, 20th day, 0h. M.

## PHASES OF THE MOON.

Full Moon, 5th day, 5h. 18.5m. A. | New Moon, 20th day, 9h. 10.8m. M.  
 Last Quarter, 13th " 5 16.0 A. | First Quarter, 27th " 5 35.6 M.

| Days of Month. | Days of Week. | Sun's upper limb rises and sets (cor. for refr.) M. Time. |       |               |       |                 |       |                 |       |                 |       | High Water. M. Time. |               |                 |
|----------------|---------------|---|-------|---------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|----------------------|---------------|-----------------|
|                |               | Boston, &c.   |       | New York, &c. |       | Washington, &c. |       | Charleston, &c. |       | N. Orleans, &c. |       | Boston, &c.          | New York, &c. | Charleston, &c. |
|                |               | rises.  | sets. | rises.        | sets. | rises.          | sets. | rises.          | sets. | rises.          | sets. | h. m.                | h. m.         | h. m.           |
| 1 F.           |               | 4 26  | 7 30  | 4 31          | 7 25  | 4 37            | 7 19  | 4 54            | 7 2   | 5 0             | 6 56  | 8 32                 | 5 49a         | 4 32a           |
| 2 S.           |               | 25  | 31    | 30            | 26    | 37              | 19    | 53              | 2     | 4 59            | 56    | 9 13                 | 6 53          | 5 13            |
| 3 Su.          |               | 4 25  | 7 32  | 4 30          | 7 27  | 4 36            | 7 20  | 4 53            | 7 3   | 4 59            | 6 57  | 10 13                | 7 41a         | 6 13a           |
| 4 M.           |               | 24  | 32    | 29            | 27    | 36              | 20    | 53              | 3     | 59              | 57    | 10 44                | 8 24          | 6 44            |
| 5 Tu.          |               | 24  | 33    | 29            | 28    | 36              | 21    | 53              | 4     | 59              | 56    | 11 22                | 9 2           | 7 22            |
| 6 W.           |               | 23  | 33    | 29            | 28    | 35              | 21    | 52              | 4     | 59              | 56    | 11 56                | 9 38          | 7 56            |
| 7 Th.          |               | 23  | 34    | 28            | 29    | 35              | 22    | 52              | 5     | 59              | 56    | . . .                | 10 12         | 8 32            |
| 8 F.           |               | 23  | 35    | 28            | 30    | 35              | 23    | 52              | 5     | 59              | 59    | 0 22m                | 10 44         | 9 4             |
| 9 S.           |               | 22  | 35    | 28            | 30    | 34              | 23    | 52              | 6     | 59              | 59    | 1 4                  | 11 19         | 9 39            |
| 10 Su.         |               | 4 22  | 7 36  | 4 28          | 7 31  | 4 34            | 7 24  | 4 52            | 7 6   | 4 59            | 7 0   | 1 39m                | 11 53a        | 10 12a          |
| 11 M.          |               | 22  | 36    | 28            | 31    | 34              | 24    | 52              | 7     | 59              | 0     | 2 13                 | . . .         | 10 50           |
| 12 Tu.         |               | 22  | 37    | 28            | 32    | 34              | 25    | 52              | 7     | 59              | 0     | 2 50                 | 0 36m         | 11 32           |
| 13 W.          |               | 22  | 37    | 28            | 32    | 34              | 25    | 52              | 8     | 59              | 1     | 3 32                 | 1 12          | . . .           |
| 14 Th.         |               | 22  | 38    | 28            | 33    | 34              | 26    | 52              | 8     | 59              | 1     | 4 22                 | 2 2           | 0 22m           |
| 15 F.          |               | 22  | 38    | 28            | 33    | 34              | 26    | 52              | 8     | 59              | 1     | 5 19                 | 2 59          | 1 19            |
| 16 S.          |               | 22  | 38    | 28            | 33    | 34              | 26    | 52              | 9     | 59              | 2     | 6 31                 | 4 11          | 2 31            |
| 17 Su.         |               | 4 23  | 7 39  | 4 28          | 7 34  | 4 34            | 7 27  | 4 52            | 7 9   | 4 59            | 7 2   | 7 34m                | 5 14m         | 3 34m           |
| 18 M.          |               | 22  | 39    | 28            | 34    | 34              | 27    | 52              | 9     | 59              | 2     | 8 37                 | 6 17          | 4 37            |
| 19 Tu.         |               | 22  | 39    | 28            | 34    | 34              | 27    | 52              | 9     | 59              | 2     | 9 37                 | 7 17          | 5 37            |
| 20 W.          |               | 22  | 39    | 28            | 34    | 34              | 27    | 52              | 10    | 59              | 3     | 10 31                | 8 11          | 6 31            |
| 21 Th.         |               | 23  | 39    | 29            | 34    | 35              | 28    | 53              | 10    | 59              | 3     | 11 22                | 9 2           | 7 22            |
| 22 F.          |               | 23  | 39    | 29            | 34    | 35              | 28    | 53              | 10    | 59              | 3     | 0 16a                | 9 56          | 8 16            |
| 23 S.          |               | 23  | 40    | 29            | 35    | 35              | 28    | 53              | 10    | 59              | 3     | 1 5                  | 10 45         | 9 5             |
| 24 Su.         |               | 4 23  | 7 40  | 4 29          | 7 35  | 4 35            | 7 28  | 4 53            | 7 10  | 5 0             | 7 4   | 1 33a                | 11 33m        | 9 53m           |
| 25 M.          |               | 23  | 40    | 29            | 35    | 35              | 29    | 53              | 11    | 0               | 4     | 2 41                 | 0 21a         | 10 41           |
| 26 Tu.         |               | 23  | 40    | 29            | 35    | 35              | 29    | 53              | 11    | 0               | 4     | 3 31                 | 1 11          | 11 31           |
| 27 W.          |               | 24  | 40    | 30            | 35    | 36              | 29    | 54              | 11    | 0               | 4     | 4 23                 | 2 3           | 0 23a           |
| 28 Th.         |               | 24  | 40    | 30            | 35    | 36              | 29    | 54              | 11    | 1               | 4     | 5 18                 | 2 56          | 1 18            |
| 29 F.          |               | 24  | 40    | 30            | 35    | 36              | 29    | 54              | 11    | 1               | 4     | 6 21                 | 4 1           | 2 21            |
| 30 S.          |               | 25  | 40    | 31            | 35    | 37              | 29    | 55              | 11    | 1               | 4     | 7 28                 | 5 3           | 3 23            |

## Passage of the Meridian (mean time) and Declination of the Planets.

| 1st day.         |           | 7th day.         |           | 13th day.        |           | 19th day.        |           | 25th day.        |           |
|------------------|-----------|------------------|-----------|------------------|-----------|------------------|-----------|------------------|-----------|
| souths.<br>h. m. | Dec.<br>° | souths.<br>h. m. | Dec.<br>° | souths.<br>h. m. | Dec.<br>° | souths.<br>h. m. | Dec.<br>° | souths.<br>h. m. | Dec.<br>° |
| 1 40a            | 25 9      | 1 40a            | 23 56     | 1 18a            | 22 21     | 1 5a             | 20 43     | 0 32a            | 19 23     |
| 10 6m            | 14 48     | 9 46m            | 14 9      | 9 28m            | 13 55     | 9 16m            | 14 10     | 9 6m             | 14 46     |
| 8 2              | 2 47      | 7 55             | 4 31      | 7 48             | 6 12      | 7 40             | 7 51      | 7 33             | 9 26      |
| 11 23            | 17 5      | 11 11            | 17 37     | 10 58            | 18 8      | 10 45            | 18 36     | 10 32            | 19 0      |
| 3 19a            | 14 34     | 3 6a             | 14 21     | 3 54a            | 14 4      | 2 41a            | 13 43     | 2 28a            | 13 20     |
| 1 28m            | 24 6      | 0 56m            | 24 28     | 0 27m            | 24 38     | 11 53            | 24 36     | 11 24            | 24 23     |
| 2 14             | 25 46     | 1 47             | 26 14     | 1 19             | 26 37     | 0 50m            | 27 4      | 0 20m            | 27 29     |
| 4 37a            | 16 43     | 4 17a            | 16 27     | 3 57a            | 16 9      | 3 37a            | 15 50     | 3 18a            | 15 30     |
| 7 47m            | 0 23      | 7 25m            | 0 31      | 7 2m             | 0 39      | 6 40m            | 0 45      | 6 17m            | 0 50      |
| 8 54             | 9 7       | 8 31             | 9 12      | 8 8              | 9 17      | 7 45             | 9 22      | 7 23             | 9 25      |

| Days of Month. | Moon Souths.<br>Mean Time. | Moon rises or sets. Mean Time. |              |             |              |               |
|----------------|----------------------------|--------------------------------|--------------|-------------|--------------|---------------|
|                |                            | Boston, &c.                    | N. York, &c. | Wash'n, &c. | Ch'ston, &c. | N. Ori's, &c. |
| 1              | h. m.                      | sets.                          | sets.        | sets.       | sets.        | sets.         |
| 2              | 9 12a                      | 2 25m                          | 2 27m        | 2 27m       | 2 29m        | 2 33m         |
| 3              | 9 56                       | 2 50                           | 2 52         | 2 55        | 3 0          | 3 3           |
| 4              | 10 41a                     | 3 22m                          | 3 25m        | 3 28m       | 3 36m        | 3 40m         |
| 5              | 11 27                      | rises.                         | rises.       | rises.      | rises.       | rises.        |
| 6              | 8                          | 7 12a                          | 7 8a         | 7 4a        | 6 52a        | 6 48a         |
| 7              | 0 13m                      | 8 3                            | 7 59         | 7 55        | 7 42         | 7 37          |
| 8              | 1 1                        | 8 52                           | 8 48         | 8 43        | 8 30         | 8 27          |
| 9              | 1 49                       | 9 35                           | 9 32         | 9 27        | 9 15         | 9 10          |
| 10             | 2 36                       | 10 17                          | 10 13        | 10 9        | 9 58         | 9 54          |
| 11             | 3 24m                      | 10 53a                         | 10 51a       | 10 48a      | 10 38a       | 10 35a        |
| 12             | 4 11                       | 11 27                          | 11 25        | 11 23       | 11 16        | 11 14         |
| 13             | 4 56                       | 11 59                          | 11 59        | 11 57       | 11 52        | 11 52         |
| 14             | 5 45                       | ...                            | ...          | ...         | ...          | ...           |
| 15             | 6 33                       | 0 31m                          | 0 30m        | 0 31m       | 0 29m        | 0 29m         |
| 16             | 7 21                       | 1 3                            | 1 3          | 1 4         | 1 5          | 1 7           |
| 17             | 8 13                       | 1 36                           | 1 38         | 1 39        | 1 44         | 1 47          |
| 18             | 9 7m                       | 2 13m                          | 2 16m        | 2 19m       | 2 26m        | 2 31m         |
| 19             | 10 5                       | 2 55                           | 2 56         | 3 2         | 3 12         | 3 18          |
| 20             | 11 6                       | sets.                          | sets.        | sets.       | sets.        | sets.         |
| 21             | 0 8a                       | 7 40a                          | 7 36a        | 7 31a       | 7 18a        | 7 15a         |
| 22             | 1 11                       | 8 39                           | 8 35         | 8 31        | 8 18         | 8 15          |
| 23             | 2 12                       | 9 29                           | 9 26         | 9 23        | 9 11         | 9 9           |
| 24             | 3 9                        | 10 13                          | 11 10        | 10 19       | 10 0         | 9 57          |
| 25             | 4 3a                       | 10 52a                         | 10 50a       | 10 48a      | 10 42a       | 10 41a        |
| 26             | 4 58                       | 11 25                          | 11 25        | 11 24       | 11 20        | 11 19         |
| 27             | 5 40                       | 11 56                          | 11 56        | 11 56       | 11 56        | 11 56         |
| 28             | 6 26                       | ...                            | ...          | ...         | ...          | ...           |
| 29             | 7 11                       | 0 25m                          | 0 27m        | 0 27m       | 0 29m        | 0 32m         |
| 30             | 7 55                       | 0 55                           | 0 56         | 0 58        | 1 3          | 1 6           |
| 31             | 8 39                       | 1 25                           | 1 27         | 1 29        | 1 37         | 1 41          |

## PHENOMENA AND OBSERVATIONS.

## Sundays and Holidays.

## Washington Mean Time.

| d.                              | h. m.  | °                                 |
|---------------------------------|--------|-----------------------------------|
| 1                               | 1 13a  | ♀ stationary.                     |
| 3                               | 1 46a  | ♂ gr. elong. 23 40 E.             |
| Trinity Sunday.                 |        |                                   |
| 4                               | 5 42a  | ♂ in Perihelion.                  |
| 10                              | 6 42a  | ♂ ♀ σ ↑ * 0 0                     |
| 11                              | 1 22a  | ♂ in 8.                           |
| Corpus Christi. Fête Dieu.      |        |                                   |
| 14                              | 6 45a  | ♂ ♀ ☾ ♀ 0 21 N.                   |
| 15                              | 6 44a  | ♂ ♀ ☾ ♀ 2 8 N.                    |
| 1st Sunday after Trinity.       |        |                                   |
| St. Barnabas.                   |        |                                   |
| 16                              | 0 54m  | ♂ ☾ ☾ ☾ 3 26 N.                   |
| 16                              | 6 43a  | ♀ stationary.                     |
| 17                              | 4 15m  | ♂ ♀ ☾ ☾ intensity of light 0.374. |
| 17                              | 2 18a  | ♂ ♀ ☾ ♀ 1 46 N.                   |
| 18                              | 3 35m  | ♀ at gr. brilliancy.              |
| 2d Sunday after Trinity.        |        |                                   |
| 21                              | 2 0m   | ♂ ♀ ☾ ☾ ♀ 1 4 S.                  |
| 21                              | 7 1m   | ♂ ♀ ☾ ☾ ♀ 1 26 N.                 |
| 21                              | 9 0m   | ☉ ent. ☊. Sum. beg.               |
| 21                              | 3 8a   | ♂ ♀ ☾ ☾ * 0 4 S.                  |
| 21                              | 5 7a   | ♀ in Aphelion.                    |
| 23                              | 9 19a  | ♂ ♀ ☾ ☾ ♀ 2 15 N.                 |
| 2d Sun. after Trin. St. J. Bap. |        |                                   |
| 28                              | 5 48m  | ♂ ♀ ☾ ☾ intensity of light 0.812. |
| 29                              | 9 8m   | ☐ ♀ ☾ ☾.                          |
| 30                              | 2 15m  | Inf. ♀ ☾ ☾.                       |
| 30                              | 11 35m | ♀ in Aphelion.                    |
| St. Peter.                      |        |                                   |
| 30                              | 10 52a | ☉ farthest from ☉.                |

Twilight begins and ends. Mean Time.

|           | 1st day.         |                | 7th day.         |                | 13th day.        |                | 19th day.        |                | 25th day.        |                |
|-----------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|
|           | Begins.<br>h. m. | Ends.<br>h. m. | Begins.<br>h. m. | Ends.<br>h. m. | Begins.<br>h. m. | Ends.<br>h. m. | Begins.<br>h. m. | Ends.<br>h. m. | Begins.<br>h. m. | Ends.<br>h. m. |
| Boston,   | 2 12m            | 9 54a          | 2 19m            | 9 49a          | 2 26m            | 9 44a          | 2 35m            | 9 37a          | 2 44m            | 9 28a          |
| N. York,  | 2 26             | 9 40           | 2 32             | 9 36           | 2 39             | 9 31           | 2 46             | 9 25           | 2 54             | 9 18           |
| Wash'n,   | 2 39             | 9 27           | 2 44             | 9 24           | 2 51             | 9 19           | 2 58             | 9 14           | 3 5              | 9 7            |
| Charles., | 3 13             | 8 58           | 3 17             | 8 51           | 3 22             | 8 48           | 3 27             | 8 45           | 3 32             | 8 40           |
| N. Orl's, | 3 25             | 8 41           | 3 29             | 8 39           | 3 33             | 8 37           | 3 37             | 8 34           | 3 43             | 8 30           |

APOGEE AND PERIGEE OF THE MOON.

Apogee, 3d day, 3h. M. | Perigee, 18th day, 9h. M. | Apogee, 30th day, 2h. A.

PHASES OF THE MOON.

Full Moon, 5th day, 8h. 20.3m. M. | New Moon, 19th day, 4h. 7.2m. A.  
Last Quarter, 13th " 1 59.5 M. | First Quarter, 26th " 7 27.0 A.

| Days of Month. | Days of Week. | Sun's upper limb rises and sets (cor. for refr.) M. Time. |                |                 |                |                 |                |                 |                |                 |                | High Water. M. Time. |               |                 |
|----------------|---------------|---|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|----------------------|---------------|-----------------|
|                |               | Boston, &c.   |                | New York, &c.   |                | Washington, &c. |                | Charleston, &c. |                | N. Orleans, &c. |                | Boston, &c.          | New York, &c. | Charleston, &c. |
|                |               | rises.<br>h. m.   | sets.<br>h. m. | rises.<br>h. m. | sets.<br>h. m. | rises.<br>h. m. | sets.<br>h. m. | rises.<br>h. m. | sets.<br>h. m. | rises.<br>h. m. | sets.<br>h. m. | h. m.                | h. m.         | h. m.           |
| 1              | Su.           | 4 25  | 7 40           | 4 31            | 7 35           | 4 37            | 7 29           | 4 55            | 7 11           | 5 1             | 7 4            | 8 26a                | 6 6a          | 4 26a           |
| 2              | M.            | 26  | 40             | 32              | 35             | 37              | 29             | 55              | 11             | 1               | 4              | 9 28                 | 7 8           | 5 28            |
| 3              | Tu.           | 27  | 40             | 32              | 35             | 38              | 29             | 56              | 11             | 1               | 4              | 10 6                 | 7 55          | 6 5             |
| 4              | W.            | 27  | 39             | 33              | 34             | 38              | 28             | 56              | 11             | 2               | 4              | 10 58                | 8 38          | 6 58            |
| 5              | Th.           | 28  | 39             | 33              | 34             | 39              | 28             | 57              | 11             | 2               | 4              | 11 35                | 9 15          | 7 35            |
| 6              | F.            | 29  | 39             | 34              | 34             | 40              | 28             | 57              | 11             | 3               | 4              | ...                  | 9 53          | 8 13            |
| 7              | S.            | 29  | 39             | 35              | 34             | 40              | 28             | 58              | 11             | 4               | 4              | 0 13m                | 10 28         | 8 48            |
| 8              | Su.           | 4 30  | 7 38           | 4 35            | 7 33           | 4 41            | 7 27           | 4 58            | 7 10           | 5 4             | 7 4            | 0 48m                | 11 2a         | 9 32a           |
| 9              | M.            | 31  | 38             | 36              | 33             | 42              | 27             | 59              | 10             | 5               | 4              | 1 32                 | 11 36         | 9 56            |
| 10             | Tu.           | 32  | 38             | 37              | 33             | 42              | 27             | 5 0             | 10             | 5               | 3              | 1 56                 | ...           | 10 33           |
| 11             | W.            | 33  | 37             | 38              | 32             | 43              | 26             | 0               | 10             | 6               | 3              | 2 33                 | 0 13m         | 11 14           |
| 12             | Th.           | 33  | 37             | 39              | 32             | 44              | 26             | 1               | 9              | 6               | 3              | 3 14                 | 0 54          | 11 59           |
| 13             | F.            | 34  | 36             | 39              | 31             | 45              | 25             | 1               | 9              | 7               | 3              | 3 59                 | 1 39          | ...             |
| 14             | S.            | 35  | 36             | 40              | 31             | 45              | 25             | 2               | 9              | 8               | 2              | 4 48                 | 2 28          | 0 48m           |
| 15             | Su.           | 4 36  | 7 35           | 4 41            | 7 30           | 4 46            | 7 24           | 5 3             | 7 8            | 5 8             | 7 2            | 5 47m                | 3 27m         | 1 47m           |
| 16             | M.            | 37  | 34             | 42              | 29             | 47              | 24             | 3               | 8              | 9               | 2              | 6 57                 | 4 37          | 2 57            |
| 17             | Tu.           | 37  | 34             | 43              | 29             | 48              | 23             | 4               | 8              | 10              | 1              | 8 7                  | 5 47          | 4 7             |
| 18             | W.            | 38  | 33             | 44              | 28             | 49              | 23             | 4               | 7              | 10              | 1              | 9 14                 | 6 54          | 5 14            |
| 19             | Th.           | 39  | 32             | 44              | 27             | 50              | 22             | 5               | 7              | 11              | 0              | 10 17                | 7 57          | 6 17            |
| 20             | F.            | 40  | 32             | 45              | 27             | 50              | 21             | 5               | 6              | 11              | 0              | 11 12                | 8 52          | 7 12            |
| 21             | S.            | 41  | 31             | 46              | 26             | 51              | 21             | 6               | 6              | 12              | 6 59           | 0 52a                | 9 45          | 8 5             |
| 22             | Su.           | 4 42  | 7 30           | 4 47            | 7 25           | 4 52            | 7 20           | 5 7             | 7 5            | 5 12            | 6 59           | 0 55a                | 10 35m        | 8 55m           |
| 23             | M.            | 43  | 29             | 48              | 24             | 53              | 19             | 7               | 5              | 13              | 58             | 1 39                 | 11 19         | 9 39            |
| 24             | Tu.           | 44  | 28             | 49              | 23             | 53              | 18             | 8               | 4              | 13              | 57             | 2 22                 | 0 2a          | 10 22           |
| 25             | W.            | 45  | 27             | 49              | 22             | 54              | 17             | 8               | 3              | 14              | 57             | 3 7                  | 0 47          | 11 7            |
| 26             | Th.           | 46  | 26             | 50              | 22             | 55              | 17             | 9               | 3              | 14              | 56             | 3 51                 | 1 31          | 11 51           |
| 27             | F.            | 47  | 25             | 51              | 21             | 56              | 16             | 10              | 2              | 15              | 55             | 4 36                 | 2 16          | 0 36a           |
| 28             | S.            | 48  | 24             | 52              | 20             | 56              | 15             | 11              | 1              | 16              | 55             | 5 26                 | 3 6           | 1 26            |
| 29             | Su.           | 4 49  | 7 23           | 4 53            | 7 19           | 4 57            | 7 14           | 5 11            | 7 0            | 5 16            | 6 54           | 6 31a                | 4 11a         | 2 31a           |
| 30             | M.            | 50  | 23             | 54              | 18             | 58              | 14             | 12              | 0              | 17              | 54             | 7 38                 | 5 18          | 3 38            |
| 31             | Tu.           | 51  | 21             | 55              | 17             | 59              | 13             | 13              | 6 59           | 18              | 53             | 8 46                 | 6 25          | 4 45            |



### Passage of the Meridian (mean time) and Declination of the Planets.

| 1st day. |       | 7th day. |       | 13th day. |       | 19th day. |       | 25th day. |       |
|----------|-------|----------|-------|-----------|-------|-----------|-------|-----------|-------|
| souths.  | Dec.  | souths.  | Dec.  | souths.   | Dec.  | souths.   | Dec.  | souths.   | Dec.  |
| h. m.    | o.    | h. m.    | o.    | h. m.     | o.    | h. m.     | o.    | h. m.     | o.    |
| 11 54m   | 18 37 | 11 18m   | 18 38 | 10 53m    | 19 22 | 10 41m    | 20 30 | 10 44m    | 21 30 |
| 8 59     | 15 36 | 8 55     | 16 36 | 8 52      | 17 36 | 8 51      | 18 35 | 8 51      | 19 29 |
| 7 26     | 10 66 | 7 18     | 12 23 | 7 11      | 13 45 | 7 3       | 15 2  | 6 56      | 16 18 |
| 10 19    | 19 22 | 10 6     | 19 42 | 9 52      | 19 58 | 9 39      | 20 12 | 9 26      | 20 22 |
| 2 15a    | 13 65 | 2 3a     | 12 26 | 1 49a     | 11 65 | 1 37a     | 11 22 | 1 23a     | 10 44 |
| 10 57    | 24 0  | 10 28    | 23 29 | 10 1      | 23 45 | 9 34      | 21 56 | 9 8       | 21 0  |
| 11 45    | 28 0  | 11 16    | 28 17 | 10 48     | 28 35 | 10 19     | 28 60 | 9 52      | 29 2  |
| 2 58     | 15 8  | 2 39     | 14 46 | 2 20      | 14 23 | 2 1       | 13 58 | 1 43      | 13 38 |
| 5 55m    | 0 54  | 5 32m    | 0 56  | 5 8m      | 0 57  | 4 45m     | 0 56  | 4 22m     | 0 54  |
| 7 0      | 9 29  | 6 36     | 9 32  | 6 13      | 9 34  | 5 50      | 9 35  | 5 27      | 9 36  |

| Days of Month. | Moon Southa.<br>Mean Time. | Moon rises or sets. |                |                | Mean Time.     |                | PHENOMENA AND OBSERVATIONS.       |
|----------------|----------------------------|---------------------|----------------|----------------|----------------|----------------|-----------------------------------|
|                |                            | Boston, &c.         | N. York, &c.   | Wash'n, &c.    | Ch'ton, &c.    | N. Ori'n, &c.  |                                   |
| S.             | h. m.                      | sets.<br>h. m.      | sets.<br>h. m. | sets.<br>h. m. | sets.<br>h. m. | sets.<br>h. m. | Washington Mean Time.<br>d. h. m. |
| 1              | 9 24                       | 1 57m               | 2 0m           | 2 4m           | 2 14m          | 2 19m          | 4th Sunday after Trinity.         |
| 2              | 10 10                      | 2 33                | 2 36           | 2 41           | 2 42           | 2 46           | 5 9 17a ☿ ♀ ☿ * 1 7 S.            |
| 3              | 10 37                      | 3 11                | 3 16           | 3 20           | 3 23           | 3 50           | 11 5 57m ☿ stationary.            |
| 4              | 11 45                      | rises.              | rises.         | rises.         | rises.         | rises.         | 12 2 51m ☿ ♀ ☿ ♀ h 0 32 N.        |
| 5              | 8                          | 7 35a               | 7 31a          | 7 17a          | 7 14a          | 7 10a          | 12 3 33m ☿ gr. Hel. Lat. S.       |
| 6              | 0 34m                      | 8 17                | 8 14           | 8 10           | 7 56           | 7 59           | 12 10 38m ☿ ♀ ☿ * 0 16 S.         |
| 7              | 1 22                       | 8 55                | 8 52           | 8 49           | 8 39           | 8 35           | 12 6 22a ☿ ♀ ☿ * 0 25 S.          |
| S.             | 2 9m                       | 9 31a               | 9 28a          | 9 26a          | 9 18a          | 9 16a          | 5th Sunday after Trinity.         |
| 9              | 2 56                       | 10 4                | 10 2           | 10 0           | 9 54           | 9 50           | 13 3 11m ☿ ♀ ☿ * 0 1 N.           |
| 10             | 3 43                       | 10 34               | 10 33          | 10 33          | 10 30          | 10 34          | 13 9 16m ☿ ☿ * 3 41 N.            |
| 11             | 4 30                       | 11 6                | 11 6           | 11 6           | 11 6           | 11 7           | 13 11 25a ☿ ♀ ☿ * 1 8 N.          |
| 12             | 5 17                       | 11 38               | 11 38          | 11 40          | 11 43          | 11 46          | 14 0 42a ☿ ☿ * 3 28 N.            |
| 13             | 6 6                        | ...                 | ...            | ...            | ...            | ...            | 15 11 37a ☿ ♀ ☿ * 1 51 S.         |
| 14             | 6 57                       | 0 11m               | 0 14m          | 0 16m          | 0 22m          | 0 25m          | 16 9 53m ☿ ♀ ☿ ♀ 1 32 N.          |
| S.             | 7 52m                      | 0 49m               | 0 52m          | 0 55m          | 1 4m           | 1 9m           | 6th Sunday after Trinity.         |
| 16             | 8 49                       | 1 30                | 1 35           | 1 39           | 1 51           | 1 56           | 18 7 6m ☿ ♀ ☿ ♀ 1 19 N.           |
| 17             | 9 49                       | 2 21                | 2 26           | 2 30           | 2 44           | 2 51           | 18 9 37a ☐ ☿ ☉.                   |
| 18             | 10 51                      | sets.               | sets.          | sets.          | sets.          | sets.          | 20 9 24a ♀ stationary.            |
| 19             | 11 53                      | 7 17a               | 7 13a          | 7 9a           | 6 57a          | 6 54a          | 21 4 53 ☿ ♀ ☿ ♀ 1 36 N.           |
| 20             | 0 52a                      | 8 4                 | 8 2            | 7 59           | 7 49           | 7 45           | 21 6 16a ☿ gr. elong. 19 56 W.    |
| 21             | 1 49                       | 8 47                | 8 44           | 8 42           | 8 35           | 8 33           | 21 11 40a ♀ gr. elong. 45 38 W.   |
| S.             | 2 42a                      | 9 22a               | 9 22a          | 9 20a          | 9 15a          | 9 15a          | 7th Sunday after Trinity.         |
| 23             | 3 33                       | 9 56                | 9 56           | 9 56           | 9 54           | 9 54           | 23 3 18m ♀ gr. Hel. Lat. S.       |
| 24             | 4 20                       | 10 27               | 10 28          | 10 28          | 10 30          | 10 31          | 23 11 45a ☿ ♀ m ☿ * 0 51 S.       |
| 25             | 5 6                        | 10 57               | 10 58          | 11 0           | 11 3           | 11 6           | St. James.                        |
| 26             | 5 51                       | 11 27               | 11 29          | 11 31          | 11 38          | 11 41          | 24 7 0a ☿ in Aphelion.            |
| 27             | 6 36                       | 11 59               | ...            | ...            | ...            | ...            | 27 6 55a ☿ ♀ ☿ * 0 33 N.          |
| 28             | 7 21                       | ...                 | 0 2m           | 0 5m           | 0 14m          | 0 18m          | 27 7 52a ☿ ♀ ☿ * 1 53 N.          |
| S.             | 8 7a                       | 0 31m               | 0 36m          | 0 40m          | 0 50m          | 0 57m          | 8th Sunday after Trinity.         |
| 30             | 8 54                       | 1 9                 | 1 14           | 1 18           | 1 31           | 1 38           | 31 3 8m ☿ in ☉.                   |
| 31             | 9 41                       | 1 52                | 1 57           | 2 1            | 2 15           | 2 23           | 31 4 33m ☿ ♀ ☿ * 0 52 N.          |

Twilight begins and ends. Mean Time.

|           | 1st day.         |                | 7th day.         |                | 13th day.        |                | 19th day.        |                | 25th day.        |                |
|-----------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|
|           | Begins.<br>h. m. | Ends.<br>h. m. | Begins.<br>h. m. | Ends.<br>h. m. | Begins.<br>h. m. | Ends.<br>h. m. | Begins.<br>h. m. | Ends.<br>h. m. | Begins.<br>h. m. | Ends.<br>h. m. |
| Boston,   | 2 55m            | 9 17a          | 3 5m             | 9 5a           | 3 16m            | 8 53a          | 3 24m            | 8 42a          | 3 34m            | 8 30a          |
| N. York,  | 3 4              | 9 8            | 3 14             | 8 56           | 3 23             | 8 45           | 3 32             | 8 34           | 3 40             | 8 24           |
| Wash'n,   | 3 14             | 8 56           | 3 23             | 8 48           | 3 30             | 8 38           | 3 38             | 8 28           | 3 46             | 8 18           |
| Charles., | 3 39             | 8 33           | 3 45             | 8 25           | 3 50             | 8 18           | 3 56             | 8 10           | 4 2              | 8 2            |
| N. Orl's, | 3 48             | 8 24           | 3 54             | 8 16           | 3 59             | 8 9            | 4 4              | 8 2            | 4 8              | 7 56           |

PERIGEE AND APOGEE OF THE MOON.

Perigee, 15th day, 10h. M.

Apogee, 27th day, 6h. M.

PHASES OF THE MOON.

Full Moon, 3d day, 10h. 43.9m. A. | New Moon, 18th day, 0h. 24.4m. M.  
Last Quarter, 11th " 8 24.3 M. | First Quarter, 25th " 11 47.7 M.

| Days of Month. | Days of Week. | Sun's upper limb rises and sets (cor. for refr.) M. Time. |                |                 |                |                 |                |                 |                |                 |                | High Water. M. Time. |               |                 |
|----------------|---------------|---|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|----------------------|---------------|-----------------|
|                |               | Boston, &c.   |                | New York, &c.   |                | Washington, &c. |                | Charleston, &c. |                | N. Orleans, &c. |                | Boston, &c.          | New York, &c. | Charleston, &c. |
|                |               | rises.<br>h. m.   | sets.<br>h. m. | rises.<br>h. m. | sets.<br>h. m. | rises.<br>h. m. | sets.<br>h. m. | rises.<br>h. m. | sets.<br>h. m. | rises.<br>h. m. | sets.<br>h. m. | h. m.                | h. m.         | h. m.           |
| 1              | W.            | 4 52  | 7 20           | 4 56            | 7 16           | 5 0             | 7 12           | 5 14            | 6 58           | 5 19            | 6 53           | 9 46a                | 7 26a         | 5 46a           |
| 2              | Th.           | 53  | 19             | 57              | 15             | 1               | 11             | 14              | 57             | 19              | 52             | 10 35                | 8 15          | 6 35            |
| 3              | F.            | 54  | 18             | 58              | 14             | 1               | 10             | 15              | 56             | 20              | 51             | 11 15                | 8 55          | 7 15            |
| 4              | S.            | 55  | 16             | 59              | 12             | 2               | 9              | 16              | 55             | 21              | 50             | 11 52                | 9 32          | 7 52            |
| 5              | Su.           | 4 56  | 7 15           | 5 0             | 7 11           | 5 3             | 7 8            | 5 16            | 6 54           | 5 21            | 6 49           | ...                  | 10 10a        | 8 30a           |
| 6              | M.            | 57  | 14             | 1               | 10             | 4               | 7              | 17              | 53             | 23              | 48             | 0 30m                | 10 43         | 9 2             |
| 7              | Tu.           | 58  | 13             | 2               | 9              | 5               | 6              | 18              | 52             | 22              | 48             | 1 2                  | 11 16         | 9 36            |
| 8              | W.            | 59  | 11             | 3               | 7              | 6               | 4              | 18              | 51             | 23              | 47             | 1 36                 | 11 51         | 10 11           |
| 9              | Th.           | 5 0   | 10             | 4               | 6              | 7               | 3              | 19              | 50             | 23              | 46             | 2 11                 | ...           | 10 49           |
| 10             | F.            | 1   | 9              | 5               | 5              | 8               | 2              | 20              | 49             | 24              | 45             | 2 49                 | 0 29m         | 11 22           |
| 11             | S.            | 2   | 8              | 6               | 4              | 9               | 0              | 20              | 48             | 25              | 44             | 3 32                 | 1 12          | ...             |
| 12             | Su.           | 5 3   | 7 7            | 5 7             | 7 3            | 5 10            | 6 59           | 5 21            | 6 47           | 5 25            | 6 43           | 4 19m                | 1 59m         | 0 19m           |
| 13             | M.            | 4   | 5              | 8               | 1              | 11              | 58             | 22              | 46             | 26              | 42             | 5 16                 | 2 56          | 1 16            |
| 14             | Tu.           | 5   | 4              | 9               | 0              | 12              | 57             | 23              | 45             | 26              | 41             | 6 29                 | 4 9           | 2 29            |
| 15             | W.            | 6   | 2              | 10              | 6 56           | 13              | 56             | 23              | 44             | 27              | 40             | 7 46                 | 5 26          | 3 49            |
| 16             | Th.           | 7   | 0              | 11              | 56             | 14              | 53             | 24              | 43             | 28              | 39             | 9 6                  | 6 46          | 5 6             |
| 17             | F.            | 8   | 6 59           | 12              | 55             | 15              | 52             | 25              | 42             | 28              | 38             | 10 10                | 7 50          | 6 10            |
| 18             | S.            | 9   | 57             | 13              | 53             | 16              | 50             | 25              | 41             | 29              | 37             | 11 6                 | 8 46          | 7 6             |
| 19             | Su.           | 5 10  | 6 55           | 5 14            | 6 52           | 5 17            | 6 49           | 5 26            | 6 40           | 5 29            | 6 36           | 11 54m               | 9 34m         | 7 54m           |
| 20             | M.            | 11  | 54             | 15              | 50             | 18              | 48             | 27              | 39             | 30              | 35             | 0 38a                | 10 18         | 8 38            |
| 21             | Tu.           | 12  | 52             | 16              | 49             | 19              | 46             | 27              | 38             | 30              | 34             | 1 17                 | 10 57         | 9 17            |
| 22             | W.            | 14  | 51             | 17              | 48             | 20              | 45             | 28              | 37             | 31              | 33             | 1 58                 | 11 38         | 9 58            |
| 23             | Th.           | 15  | 50             | 18              | 46             | 21              | 44             | 29              | 36             | 32              | 32             | 2 35                 | 0 15a         | 10 35           |
| 24             | F.            | 16  | 48             | 19              | 45             | 21              | 42             | 29              | 35             | 32              | 31             | 3 13                 | 0 53          | 11 13           |
| 25             | S.            | 17  | 47             | 20              | 44             | 22              | 41             | 30              | 34             | 33              | 30             | 3 51                 | 1 31          | 11 51           |
| 26             | Su.           | 5 18  | 6 45           | 5 21            | 6 42           | 5 23            | 6 40           | 5 31            | 6 33           | 5 34            | 6 29           | 4 36a                | 2 15a         | 0 36a           |
| 27             | M.            | 19  | 44             | 22              | 41             | 24              | 38             | 31              | 32             | 34              | 28             | 5 31                 | 3 11          | 1 31            |
| 28             | Tu.           | 20  | 42             | 23              | 39             | 25              | 37             | 32              | 31             | 35              | 27             | 6 47                 | 4 27          | 2 47            |
| 29             | W.            | 21  | 40             | 24              | 38             | 26              | 36             | 33              | 29             | 35              | 26             | 8 3                  | 5 43          | 4 3             |
| 30             | Th.           | 22  | 39             | 25              | 37             | 27              | 34             | 33              | 28             | 36              | 25             | 9 15                 | 6 55          | 5 15            |
| 31             | F.            | 23  | 37             | 26              | 35             | 28              | 33             | 34              | 26             | 36              | 24             | 10 7                 | 7 47          | 6 7             |

## Passage of the Meridian (mean time) and Declination of the Planets.

|       | 1st day. |       | 7th day. |       | 13th day. |       | 19th day. |       | 25th day. |       |
|-------|----------|-------|----------|-------|-----------|-------|-----------|-------|-----------|-------|
|       | souths.  | Dec.  | souths.  | Dec.  | souths.   | Dec.  | souths.   | Dec.  | souths.   | Dec.  |
|       | h. m.    | °     | h. m.    | °     | h. m.     | °     | h. m.     | °     | h. m.     | °     |
| 11 3m | 21 36    |       | 11 28m   | 20 8  | 11 54m    | 17 10 | 0 18a     | 13 12 | 0 36a     | 8 42  |
| 8 53  | 20 18    |       | 8 56     | 20 47 | 9 0       | 21 0  | 9 4m      | 20 55 | 9 8m      | 20 32 |
| 6 47  | 17 29    |       | 6 39     | 18 28 | 6 31      | 19 21 | 6 23      | 20 8  | 6 14      | 20 50 |
| 9 10  | 20 32    |       | 8 56     | 20 38 | 8 43      | 20 41 | 8 29      | 20 41 | 8 15      | 20 40 |
| 1 7a  | 10 1     | 0 54a | 9 21     | 0 41a | 8 40      | 8 40  | 0 27a     | 8 26  | 0 13a     | 7 13  |
| 8 38  | 19 49    |       | 8 13     | 18 44 | 7 49      | 17 36 | 7 27      | 16 27 | 7 4       | 15 18 |
| 9 20  | 29 14    |       | 8 54     | 29 21 | 8 29      | 29 27 | 8 5       | 29 31 | 7 42      | 29 34 |
| 1 21  | 13 4     | 1 2   | 12 37    | 0 44  | 12 10     | 0 25  | 11 42     | 0 6   | 11 14     |       |
| 3 54m | 0 50     | 3 29m | 0 45     | 3 5m  | 0 38      | 2 41m | 0 31      | 2 16m | 0 22      |       |
| 4 59  | 9 36     | 4 35  | 9 36     | 4 12  | 9 35      | 3 48  | 9 33      | 3 24  | 9 30      |       |

| Days of Month. | Moon Souths.<br>Mean Time. | Moon rises or sets. Mean Time. |                 |                 |                 |                 |
|----------------|----------------------------|--------------------------------|-----------------|-----------------|-----------------|-----------------|
|                |                            | Boston, &c.                    | N. York, &c.    | Wash'n, &c.     | Ch'ton, &c.     | N. Ori's, &c.   |
|                |                            | rises.<br>h. m.                | rises.<br>h. m. | rises.<br>h. m. | rises.<br>h. m. | rises.<br>h. m. |
| 1              | 10 29a                     | 5 31a                          | 5 27a           | 5 23a           | 5 10a           | 5 6a            |
| 2              | 11 18                      | 6 16                           | 6 12            | 6 8             | 5 56            | 5 51            |
| 3              | 8                          | 6 55                           | 6 52            | 6 49            | 6 38            | 6 34            |
| 4              | 0 6m                       | 7 32                           | 7 29            | 7 27            | 7 18            | 7 16            |
| 5              | 0 54m                      | 8 5a                           | 8 4a            | 8 2a            | 7 55a           | 7 55a           |
| 6              | 1 41                       | 8 38                           | 8 38            | 8 36            | 8 32            | 8 32            |
| 7              | 2 28                       | 9 9                            | 9 9             | 9 9             | 9 8             | 9 9             |
| 8              | 3 15                       | 9 40                           | 9 42            | 9 42            | 9 44            | 9 47            |
| 9              | 4 4                        | 10 13                          | 10 16           | 10 18           | 10 23           | 10 25           |
| 10             | 4 53                       | 10 49                          | 10 51           | 10 55           | 11 3            | 11 7            |
| 11             | 5 45                       | 11 28                          | 11 31           | 11 36           | 11 47           | 11 52           |
| 12             | 6 40m                      | ...                            | ...             | ...             | ...             | ...             |
| 13             | 7 37                       | 0 14m                          | 0 18m           | 0 22m           | 0 35m           | 0 42m           |
| 14             | 8 36                       | 1 7                            | 1 12            | 1 16            | 1 30            | 1 37            |
| 15             | 9 36                       | 2 6                            | 2 10            | 2 15            | 2 29            | 2 37            |
| 16             | 10 36                      | 3 11                           | 3 16            | 3 20            | 3 33            | 3 40            |
| 17             | 11 34                      | sets.                          | sets.           | sets.           | sets.           | sets.           |
| 18             | 0 28a                      | 7 17a                          | 7 16a           | 7 14a           | 7 8a            | 7 7a            |
| 19             | 1 20a                      | 7 52a                          | 7 51a           | 7 51a           | 7 47a           | 7 47a           |
| 20             | 2 10                       | 8 25                           | 8 25            | 8 25            | 8 25            | 8 26            |
| 21             | 2 58                       | 8 56                           | 8 57            | 8 58            | 9 0             | 9 3             |
| 22             | 3 44                       | 9 26                           | 9 28            | 9 29            | 9 35            | 9 38            |
| 23             | 4 30                       | 9 58                           | 10 1            | 10 3            | 10 12           | 10 16           |
| 24             | 5 16                       | 10 32                          | 10 35           | 10 39           | 10 49           | 10 54           |
| 25             | 6 1                        | 11 9                           | 11 13           | 11 17           | 11 28           | 11 35           |
| 26             | 6 48a                      | 11 48a                         | 11 53a          | 11 57a          | ...             | ...             |
| 27             | 7 35                       | ...                            | ...             | ...             | 0 10m           | 0 17m           |
| 28             | 8 28                       | 0 32m                          | 0 37m           | 0 41m           | 0 55            | 1 2             |
| 29             | 9 11                       | 1 20                           | 1 25            | 1 30            | 1 44            | 1 50            |
| 30             | 10 0                       | 2 13                           | 2 17            | 2 22            | 2 35            | 2 42            |
| 31             | 10 48                      | 3 9                            | 3 14            | 3 19            | 3 29            | 3 36            |

## PHENOMENA AND OBSERVATIONS.

## Sundays and Holidays.

## Washington Mean Time.

| d. h. m.                       | °   | '                               |
|--------------------------------|-----|---------------------------------|
| 1 7 0m                         | ♄   | stationary.                     |
| 4 1 34m                        | ♂ ♀ | ♂ <sup>1</sup> Orion. * 0 18 S. |
| 4 4 42a                        | ♀   | in Perihelion.                  |
| 6 5 14m                        | ♂ ♀ | ♂ <sup>4</sup> Orion. * 0 34 S. |
| 9th Sunday after Trinity.      |     |                                 |
| 8 7 50m                        | ♂ ♀ | ♂ 0 30 N.                       |
| 8 3 1a                         | ♂ ♀ | ♂ <sup>1</sup> ♄ * 1 42 N.      |
| 9 3 4a                         | ♂ ♀ | ♂ <sup>1</sup> ♄ * 3 48 N.      |
| 10 9 47m                       | ♂ ♀ | ♂ <sup>1</sup> ♄ * 1 40 N.      |
| 11 6 41a                       | ♂ ♀ | ♂ <sup>1</sup> ♄ * 0 40 S.      |
| 12 3 25m                       | ♂ ♀ | ♂ <sup>1</sup> ♄ 4 12 N.        |
| 10th Sunday after Trinity.     |     |                                 |
| 13 7 0m                        | ♀   | stationary.                     |
| 14 6 42a                       | ♂ ♀ | ♂ <sup>1</sup> ♄ 2 6 N.         |
| 15 0 40m                       | ♂ ♀ | gr. Hel. Lat. N.                |
| 16 8 54m                       | ♂ ♀ | ♂ <sup>1</sup> ♄.               |
| Solar eclipse, invis. in U. S. |     |                                 |
| 16 0 12a                       | ♂ ♀ | ♂ <sup>1</sup> ♄ 3 39 S.        |
| 11th Sunday after Trinity.     |     |                                 |
| 18 5 18m                       | ♂ ♀ | ♂ <sup>1</sup> ♄ 2 21 N.        |
| 18 7 0m                        | ♀   | stationary.                     |
| 18 11 53m                      | ♂ ♀ | ♂ <sup>1</sup> ♄ 1 4 N.         |
| 19 8 18m                       | ♂ ♀ | ♂ <sup>1</sup> ♄ * 0 8 S.       |
| St. Bartholomew.               |     |                                 |
| 20 11 58m                      | ♂ ♀ | ♂ <sup>1</sup> ♄ 0 51 N.        |
| 12th Sunday after Trinity.     |     |                                 |
| 21 2 9m                        | ♂ ♀ | ♂ <sup>1</sup> ♄ 4 19 N.        |
| 21 5 44a                       | ♂ ♀ | ♂ <sup>1</sup> ♄ * 1 35 S.      |
| 22 5 35a                       | ♂ ♀ | ♂ <sup>1</sup> ♄ * 1 31 N.      |
| 23 10 40m                      | ♂ ♀ | ♂ <sup>1</sup> ♄.               |
| 27 3 37m                       | ♂ ♀ | ♂ <sup>1</sup> ♄ * 1 39 N.      |

Twilight begins and ends. Mean Time.

|           | 1st day.         |                | 7th day.         |                | 13th day.        |                | 19th day.        |                | 25th day.        |                |
|-----------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|
|           | Begins.<br>h. m. | Ends.<br>h. m. | Begins.<br>h. m. | Ends.<br>h. m. | Begins.<br>h. m. | Ends.<br>h. m. | Begins.<br>h. m. | Ends.<br>h. m. | Begins.<br>h. m. | Ends.<br>h. m. |
| Boston,   | 3 44m            | 8 16a          | 3 51m            | 8 4a           | 3 59m            | 7 52a          | 4 7m             | 7 40a          | 4 16m            | 7 28a          |
| N. York,  | 3 49             | 8 11           | 3 56             | 8 0            | 4 3              | 7 49           | 4 10             | 7 37           | 4 18             | 7 26           |
| Wash'n,   | 3 54             | 8 6            | 4 0              | 7 56           | 4 7              | 7 45           | 4 14             | 7 34           | 4 21             | 7 23           |
| Charles., | 4 8              | 7 52           | 4 12             | 7 43           | 4 17             | 7 34           | 4 23             | 7 35           | 4 28             | 7 16           |
| N. Orl's, | 4 14             | 7 46           | 4 17             | 7 39           | 4 21             | 7 31           | 4 25             | 7 22           | 4 30             | 7 14           |

PERIGEE AND APOGEE OF THE MOON.

Perigee, 11th day, 5h. M.

Apogee, 24th day, 1h. M.

PHASES OF THE MOON.

Full Moon, 2d day, 0h. 9.4m. A. | New Moon, 16th day, 10h. 53.6m. M.  
Last Quarter, 9th " 1 47.1 A. | First Quarter, 24th " 6 15.4 M.

| Days of Month. | Days of Week. | Sun's upper limb rises and sets (cor. for refr.) M. Time. |                |                 |                |                 |                |                 |                |                 |                | High Water. M. Time. |               |                 |
|----------------|---------------|---|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|----------------------|---------------|-----------------|
|                |               | Boston, &c.   |                | New York, &c.   |                | Washington, &c. |                | Charleston, &c. |                | N. Orleans, &c. |                | Boston, &c.          | New York, &c. | Charleston, &c. |
|                |               | rises.<br>h. m.   | sets.<br>h. m. | rises.<br>h. m. | sets.<br>h. m. | rises.<br>h. m. | sets.<br>h. m. | rises.<br>h. m. | sets.<br>h. m. | rises.<br>h. m. | sets.<br>h. m. | h. m.                | h. m.         | h. m.           |
| 1              | S.            | 5 24  | 6 35           | 5 27            | 6 33           | 5 29            | 6 31           | 5 35            | 6 25           | 5 37            | 6 23           | 10 50a               | 8 30a         | 6 50a           |
| 2              | Su.           | 5 26  | 3 33           | 5 28            | 6 31           | 5 30            | 6 29           | 5 35            | 6 24           | 5 37            | 6 22           | 11 28a               | 9 5a          | 7 28a           |
| 3              | M.            | 27  | 32             | 29              | 30             | 31              | 28             | 26              | 22             | 28              | 21             | . . .                | 9 45          | 8 5             |
| 4              | Tu.           | 28  | 30             | 30              | 28             | 23              | 26             | 27              | 21             | 28              | 19             | 0 5m                 | 10 18         | 8 38            |
| 5              | W.            | 29  | 28             | 31              | 26             | 23              | 24             | 27              | 20             | 29              | 18             | 0 38                 | 10 52         | 9 12            |
| 6              | Th.           | 30  | 26             | 32              | 24             | 23              | 23             | 28              | 19             | 29              | 17             | 1 12                 | 11 29         | 9 49            |
| 7              | F.            | 31  | 25             | 33              | 23             | 24              | 21             | 28              | 18             | 40              | 16             | 1 49                 | . . .         | 10 26           |
| 8              | S.            | 32  | 23             | 34              | 21             | 25              | 20             | 29              | 16             | 40              | 15             | 2 26                 | 0 6m          | 11 6            |
| 9              | Su.           | 5 33  | 6 21           | 5 35            | 6 19           | 5 36            | 6 18           | 5 40            | 6 15           | 5 41            | 6 13           | 3 6m                 | 0 46m         | 11 54a          |
| 10             | M.            | 35  | 19             | 36              | 17             | 37              | 16             | 40              | 14             | 42              | 12             | 3 54                 | 1 34          | . . .           |
| 11             | Tu.           | 36  | 17             | 37              | 15             | 38              | 15             | 41              | 12             | 42              | 11             | 4 53                 | 2 33          | 0 53m           |
| 12             | W.            | 37  | 15             | 38              | 14             | 39              | 13             | 42              | 11             | 43              | 10             | 6 10                 | 3 50          | 2 10            |
| 13             | Th.           | 38  | 14             | 39              | 13             | 40              | 12             | 42              | 9              | 43              | 8              | 7 37                 | 5 17          | 3 37            |
| 14             | F.            | 39  | 12             | 40              | 11             | 41              | 10             | 43              | 8              | 44              | 7              | 9 0                  | 6 40          | 5 0             |
| 15             | S.            | 40  | 10             | 40              | 9              | 41              | 9              | 43              | 7              | 44              | 6              | 10 0                 | 7 40          | 6 0             |
| 16             | Su.           | 5 41  | 6 8            | 5 41            | 6 7            | 5 43            | 6 7            | 5 44            | 6 6            | 5 45            | 6 5            | 10 54m               | 8 24m         | 6 54m           |
| 17             | M.            | 42  | 6              | 42              | 5              | 43              | 5              | 45              | 5              | 45              | 4              | 11 37                | 9 17          | 7 37            |
| 18             | Tu.           | 43  | 5              | 43              | 4              | 44              | 4              | 45              | 4              | 46              | 3              | 0 15a                | 9 55          | 8 15            |
| 19             | W.            | 44  | 3              | 44              | 3              | 44              | 1              | 46              | 3              | 46              | 2              | 0 54                 | 10 34         | 8 54            |
| 20             | Th.           | 45  | 1              | 45              | 0              | 45              | 0              | 47              | 1              | 47              | 1              | 1 30                 | 11 10         | 9 30            |
| 21             | F.            | 46  | 0              | 46              | 5 59           | 46              | 5 59           | 47              | 0              | 47              | 0              | 2 2                  | 11 42         | 10 2            |
| 22             | S.            | 47  | 5 56           | 47              | 56             | 47              | 57             | 48              | 5 59           | 48              | 5 56           | 2 38                 | 0 18a         | 10 38           |
| 23             | Su.           | 5 48  | 5 56           | 5 48            | 5 56           | 5 48            | 5 56           | 5 48            | 5 57           | 5 48            | 5 57           | 3 12a                | 0 53a         | 11 13m          |
| 24             | M.            | 50  | 55             | 50              | 54             | 49              | 54             | 49              | 55             | 49              | 55             | 3 53                 | 1 33          | 11 53           |
| 25             | Tu.           | 51  | 53             | 51              | 53             | 50              | 53             | 50              | 54             | 50              | 54             | 4 44                 | 2 24          | 0 44a           |
| 26             | W.            | 52  | 51             | 52              | 51             | 51              | 51             | 50              | 53             | 50              | 53             | 5 55                 | 3 35          | 1 55            |
| 27             | Th.           | 53  | 49             | 53              | 49             | 52              | 49             | 51              | 51             | 51              | 51             | 7 18                 | 4 56          | 3 18            |
| 28             | F.            | 54  | 47             | 54              | 47             | 53              | 48             | 52              | 50             | 51              | 50             | 8 35                 | 6 15          | 4 35            |
| 29             | S.            | 55  | 46             | 55              | 46             | 54              | 46             | 52              | 48             | 52              | 49             | 9 35                 | 7 15          | 5 35            |
| 30             | Su.           | 5 56  | 5 44           | 5 56            | 5 44           | 5 55            | 5 45           | 5 53            | 5 47           | 5 52            | 5 48           | 10 20a               | 8 0a          | 6 20a           |

### Passage of the Meridian (mean time) and Declination of the Planets.

| 1st day. |       | 7th day. |       | 13th day. |       | 19th day. |       | 25th day. |       |
|----------|-------|----------|-------|-----------|-------|-----------|-------|-----------|-------|
| souths.  | Dec.  | souths.  | Dec.  | souths.   | Dec.  | souths.   | Dec.  | souths.   | Dec.  |
| h. m.    | o.    | h. m.    | o.    | h. m.     | o.    | h. m.     | o.    | h. m.     | o.    |
| 0 53a    | 3 19  | 1 43a    | 1 11  | 1 12a     | 5 37  | 1 18a     | 9 22  | 1 22a     | 19 6  |
| 9 14m    | 19 40 | 9 19m    | 18 36 | 9 24m     | 17 11 | 9 29m     | 16 30 | 9 34m     | 18 32 |
| 6 4      | 21 30 | 5 54     | 23 0  | 5 44      | 23 26 | 5 33      | 22 45 | 5 21      | 23 2  |
| 7 56     | 20 36 | 7 44     | 20 31 | 7 28      | 20 35 | 7 13      | 20 18 | 6 57      | 20 10 |
| 11 58    | 6 19  | 11 43    | 5 34  | 11 29     | 4 48  | 11 15     | 4 2   | 11 1      | 3 16  |
| 6 38a    | 13 57 | 6 18a    | 12 49 | 5 58a     | 11 43 | 5 38a     | 10 41 | 5 18a     | 9 39  |
| 7 17     | 29 36 | 6 56     | 29 37 | 6 36      | 29 38 | 6 16      | 29 38 | 5 57      | 29 36 |
| 11 44m   | 10 42 | 11 25m   | 10 14 | 11 7m     | 9 45  | 10 48m    | 9 17  | 10 29m    | 8 49  |
| 1 47     | 0 11  | 1 23     | 0 1   | 0 57      | 0 10  | 0 32      | 0 21  | 0 6       | 0 33  |
| 2 56     | 9 26  | 2 32     | 9 24  | 2 7       | 9 20  | 1 43      | 9 16  | 1 19      | 9 11  |

| Days of Month. | Moon South.<br>Mean Time. | Moon rises or sets. Mean Time. |                 |                 |                 |                 |
|----------------|---------------------------|--------------------------------|-----------------|-----------------|-----------------|-----------------|
|                |                           | Boston, &c.                    | N. York, &c.    | Wash'n, &c.     | Ch'nton, &c.    | N. Ori's, &c.   |
|                | h. m.                     | rises.<br>h. m.                | rises.<br>h. m. | rises.<br>h. m. | rises.<br>h. m. | rises.<br>h. m. |
| 1              | 11 36a                    | 6 6a                           | 6 4a            | 6 1a            | 5 55a           | 5 53a           |
| 2              | 8                         | 6 39a                          | 6 39a           | 6 37a           | 6 32a           | 6 32a           |
| 3              | 0 24m                     | 7 11                           | 7 11            | 7 11            | 7 9             | 7 9             |
| 4              | 1 13                      | 7 43                           | 7 43            | 7 44            | 7 45            | 7 47            |
| 5              | 2 1                       | 8 17                           | 8 17            | 8 20            | 8 23            | 8 27            |
| 6              | 2 51                      | 8 51                           | 8 53            | 8 56            | 9 3             | 9 7             |
| 7              | 3 42                      | 9 28                           | 9 32            | 9 35            | 9 45            | 9 51            |
| 8              | 4 36                      | 10 11                          | 10 15           | 10 20           | 10 32           | 10 37           |
| 9              | 5 31m                     | 11 1a                          | 11 6a           | 11 10a          | 11 24a          | 11 31a          |
| 10             | 6 29                      | 11 52                          | 11 56           | ...             | ...             | ...             |
| 11             | 7 27                      | ...                            | ...             | 0 2m            | 0 17m           | 0 25m           |
| 12             | 8 25                      | 0 57m                          | 1 2m            | 1 8             | 1 20            | 1 28            |
| 13             | 9 23                      | 2 3                            | 2 7             | 2 11            | 2 24            | 2 29            |
| 14             | 10 17                     | 3 11                           | 3 15            | 3 18            | 3 28            | 3 34            |
| 15             | 11 9                      | sets.                          | sets.           | sets.           | sets.           | sets.           |
| 16             | 11 59m                    | 6 22a                          | 6 22a           | 6 22a           | 6 20a           | 6 20a           |
| 17             | 0 46a                     | 6 54                           | 6 55            | 6 55            | 6 57            | 6 58            |
| 18             | 1 35                      | 7 26                           | 7 27            | 7 29            | 7 33            | 7 36            |
| 19             | 2 23                      | 7 56                           | 7 56            | 8 0             | 8 8             | 8 11            |
| 20             | 3 8                       | 8 29                           | 8 31            | 8 35            | 8 45            | 8 49            |
| 21             | 3 54                      | 9 6                            | 9 9             | 9 14            | 9 24            | 9 31            |
| 22             | 4 41                      | 9 43                           | 9 48            | 9 52            | 10 5            | 10 12           |
| 23             | 5 28a                     | 10 26a                         | 10 30a          | 10 36a          | 10 49a          | 10 55a          |
| 24             | 6 16                      | 11 11                          | 11 16           | 11 20           | 11 35           | 11 41           |
| 25             | 7 3                       | ...                            | ...             | ...             | ...             | ...             |
| 26             | 7 51                      | 0 2m                           | 0 7m            | 0 11m           | 0 26m           | 0 32m           |
| 27             | 8 39                      | 0 56                           | 1 1             | 1 5             | 1 18            | 1 24            |
| 28             | 9 27                      | 1 56                           | 1 58            | 2 3             | 2 12            | 2 18            |
| 29             | 10 15                     | 2 56                           | 2 59            | 3 2             | 3 10            | 3 14            |
| 30             | 11 4a                     | 3 59m                          | 4 1m            | 4 2m            | 4 8m            | 4 12m           |

## PHENOMENA AND OBSERVATIONS.

*Sundays and Holidays.*

**Washington Mean Time.**

d. h. m.

1 4 24<sup>a</sup> ♂ ♀ ☉.

13th Sun. after Trin. Lunar eclipse,  
invis. in U. S.

4 11 35m ♂ ♀ ☾      ♀ 0 18 N.

4 9 27a ♂ ♂ ♀ ☽ \* 0 27 S.

5 7 54a ♂ ♀ ☿      ☿ 3 46 N.

7 0 35a ♀ in ☿.

9 1 36a ♂ ♂ ☾      ♂ 4 27 N.

9 1 36a ♂ ♀ ♄☿ \* 0 35 N.

14th Sunday after Trinity.

10 6 25m □ ♂ ☉.

13 3 18m □ ♀ ☉.

13 10 18m ♂ ♀ ☾      ♀ 1 44 N.

15 6 57m ♂ ♀ ☾      ♀ 0 32 N.

15 8 22a ♂ ♂ ♀ ☽ \* 0 46 S.

17 4 20a ♀ in Aphelion.

15th Sunday after Trinity.

18 3 0m ♀ in ♄.

18 3 57m ♂ ♀ ☾      ♀ 5 24 S.

20 0 55a ♂ ♀ ☿ \* 0 23 S.

20 4 7a ♂ ♂ ♀ ☽ \* 1 47 S.

St. Matthew. [begins.]

23 10 55a ☉ enters ♋. Autumn

16th Sunday after Trinity.

26 8 21m ♂ ♂ 132 ☽ \* 1 25 N.

26 5 35a □ ♀ ☉.

27 9 58m ♂ ♀ ♁☾ \* 0 7 S.

27 1 52a ♀ ♀ ☉.

30 6 48m ♀ gr. elong. 25 37 E.

Michaelmas Day.

17th Sunday after Trinity.

Twilight begins and ends. Mean Time.

|           | 1st Day.         |                | 7th day.         |                | 13th day.        |                | 19th day.        |                | 25th day.        |                |
|-----------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|
|           | Begins.<br>h. m. | Ends.<br>h. m. | Begins.<br>h. m. | Ends.<br>h. m. | Begins.<br>h. m. | Ends.<br>h. m. | Begins.<br>h. m. | Ends.<br>h. m. | Begins.<br>h. m. | Ends.<br>h. m. |
| Boston,   | 4 23m            | 7 17a          | 4 30m            | 7 6a           | 4 37m            | 6 55a          | 4 44m            | 6 46a          | 4 50m            | 6 38a          |
| N. York,  | 4 25             | 7 15           | 4 32             | 7 4            | 4 38             | 6 54           | 4 44             | 6 46           | 4 50             | 6 38           |
| Wash'n,   | 4 27             | 7 13           | 4 33             | 7 3            | 4 38             | 6 54           | 4 44             | 6 46           | 4 50             | 6 38           |
| Charles., | 4 32             | 7 8            | 4 36             | 7 0            | 4 40             | 6 53           | 4 45             | 6 45           | 4 49             | 6 39           |
| N. Orl's, | 4 34             | 7 6            | 4 37             | 6 58           | 4 41             | 6 51           | 4 45             | 6 45           | 4 48             | 6 40           |

PERIGEE AND APOGEE OF THE MOON.

Perigee, 6th day, 5h. M.

Apogee, 21st day, 10h. A.

PHASES OF THE MOON.

|               |         |               |                |           |               |
|---------------|---------|---------------|----------------|-----------|---------------|
| Full Moon,    | 2d day, | 0h. 24.9m. M. | First Quarter, | 24th day, | 1h. 55.5m. M. |
| Last Quarter, | 8th "   | 7 25.8 A.     | Full Moon,     | 31st "    | 11 38.3 M.    |
| New Moon,     | 16th "  | 0 4.9 M.      |                |           |               |

| Days of Month. | Days of Week. | Sun's upper limb rises and sets (cor. for refr.) M. Time. |                |                 |                |                 |                |                 |                |                 |                | High Water. M. Time. |               |                 |
|----------------|---------------|---|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|----------------------|---------------|-----------------|
|                |               | Boston, &c.   |                | New York, &c.   |                | Washington, &c. |                | Charleston, &c. |                | N. Orleans, &c. |                | Boston, &c.          | New York, &c. | Charleston, &c. |
|                |               | rises.<br>h. m.   | sets.<br>h. m. | rises.<br>h. m. | sets.<br>h. m. | rises.<br>h. m. | sets.<br>h. m. | rises.<br>h. m. | sets.<br>h. m. | rises.<br>h. m. | sets.<br>h. m. | h. m.                | h. m.         | h. m.           |
| 1              | M.            | 5 57  | 5 42           | 5 57            | 5 42           | 5 56            | 5 43           | 5 54            | 5 45           | 5 53            | 5 46           | 10 58a               | 8 38a         | 6 58a           |
| 2              | Tu.           | 58  | 40             | 58              | 40             | 57              | 41             | 55              | 43             | 54              | 44             | 11 34                | 9 14          | 7 34            |
| 3              | W.            | 59  | 39             | 59              | 39             | 58              | 40             | 55              | 42             | 54              | 43             | ...                  | 9 49          | 8 9             |
| 4              | Th.           | 6 1   | 37             | 6 0             | 37             | 59              | 38             | 56              | 41             | 55              | 42             | 0 9m                 | 10 28         | 8 48            |
| 5              | F.            | 2   | 36             | 1               | 36             | 6 0             | 37             | 57              | 40             | 56              | 41             | 0 48                 | 11 6          | 9 26            |
| 6              | S.            | 3   | 34             | 2               | 34             | 1               | 35             | 57              | 39             | 56              | 40             | 1 26                 | 11 45         | 10 5            |
| 7              | Su.           | 6 4   | 5 32           | 6 3             | 5 33           | 6 2             | 5 34           | 5 58            | 5 37           | 5 57            | 5 39           | 2 5m                 | ...           | 10 49a          |
| 8              | M.            | 5   | 31             | 4               | 31             | 3               | 32             | 59              | 36             | 58              | 38             | 2 49                 | 0 29m         | 11 40           |
| 9              | Tu.           | 6   | 29             | 5               | 30             | 4               | 31             | 59              | 35             | 58              | 37             | 3 40                 | 1 20          | ...             |
| 10             | W.            | 8   | 27             | 6               | 28             | 5               | 29             | 6 0             | 34             | 5 59            | 36             | 4 41                 | 2 21          | 0 41m           |
| 11             | Th.           | 9   | 26             | 7               | 27             | 6               | 28             | 1               | 33             | 6 0             | 35             | 6 0                  | 3 40          | 2 0             |
| 12             | F.            | 10  | 24             | 8               | 25             | 7               | 26             | 1               | 31             | 0               | 33             | 7 29                 | 5 9           | 3 29            |
| 13             | S.            | 11  | 22             | 9               | 23             | 8               | 25             | 2               | 30             | 1               | 32             | 8 51                 | 6 31          | 4 51            |
| 14             | Su.           | 6 12  | 5 21           | 6 10            | 5 22           | 6 9             | 5 23           | 6 3             | 5 29           | 6 2             | 5 31           | 9 47m                | 7 27m         | 5 47m           |
| 15             | M.            | 13  | 19             | 11              | 20             | 10              | 22             | 3               | 28             | 2               | 30             | 10 35                | 8 15          | 6 35            |
| 16             | Tu.           | 14  | 17             | 12              | 18             | 11              | 20             | 4               | 26             | 3               | 28             | 11 15                | 8 55          | 7 15            |
| 17             | W.            | 15  | 15             | 13              | 17             | 12              | 19             | 5               | 25             | 4               | 27             | 11 53                | 9 33          | 7 53            |
| 18             | Th.           | 17  | 14             | 15              | 15             | 13              | 18             | 6               | 24             | 4               | 26             | 0 26a                | 10 6          | 8 26            |
| 19             | F.            | 18  | 12             | 16              | 14             | 14              | 16             | 7               | 23             | 5               | 25             | 1 1                  | 10 41         | 9 1             |
| 20             | S.            | 19  | 11             | 17              | 13             | 15              | 15             | 8               | 22             | 6               | 24             | 1 34                 | 11 14         | 9 34            |
| 21             | Su.           | 6 20  | 5 9            | 6 18            | 5 11           | 6 16            | 5 14           | 6 8             | 5 21           | 6 6             | 5 23           | 2 5a                 | 11 45m        | 10 5m           |
| 22             | M.            | 21  | 8              | 19              | 10             | 17              | 13             | 9               | 20             | 7               | 22             | 2 41                 | 0 21a         | 10 41           |
| 23             | Tu.           | 22  | 6              | 20              | 9              | 18              | 11             | 10              | 19             | 8               | 21             | 3 18                 | 0 58          | 11 18           |
| 24             | W.            | 23  | 5              | 21              | 7              | 19              | 10             | 11              | 18             | 8               | 20             | 4 5                  | 1 45          | 0 5a            |
| 25             | Th.           | 25  | 3              | 22              | 6              | 20              | 9              | 12              | 17             | 9               | 19             | 5 6                  | 2 46          | 1 6             |
| 26             | F.            | 26  | 2              | 24              | 4              | 21              | 8              | 13              | 16             | 10              | 18             | 6 28                 | 4 8           | 2 28            |
| 27             | S.            | 27  | 0              | 25              | 3              | 22              | 6              | 14              | 15             | 10              | 17             | 7 47                 | 5 27          | 3 47            |
| 28             | Su.           | 6 28  | 4 59           | 6 26            | 5 2            | 6 23            | 5 5            | 6 15            | 5 14           | 6 11            | 5 16           | 8 54a                | 6 34a         | 4 54a           |
| 29             | M.            | 29  | 57             | 27              | 0              | 24              | 3              | 16              | 13             | 12              | 15             | 9 43                 | 7 23          | 5 43            |
| 30             | Tu.           | 30  | 55             | 28              | 4 59           | 25              | 2              | 16              | 12             | 12              | 14             | 10 26                | 8 6           | 6 26            |
| 31             | W.            | 32  | 54             | 29              | 58             | 26              | 1              | 17              | 11             | 13              | 13             | 11 4                 | 8 44          | 7 4             |

### Passage of the Meridian (mean time) and Declination of the Planets.

| A table of the declination (right ascension) and declination of the sun. |    |       |          |    |       |           |    |       |           |    |       |           |    |       |
|--|----|-------|----------|----|-------|-----------|----|-------|-----------|----|-------|-----------|----|-------|
| 1st day.   |    |       | 7th day. |    |       | 13th day. |    |       | 19th day. |    |       | 25th day. |    |       |
| souths.  |    | Dec.  | souths.  |    | Dec.  | souths.   |    | Dec.  | souths.   |    | Dec.  | souths.   |    | Dec.  |
| h. m.  | o. | '     | h. m.    | o. | '     | h. m.     | o. | '     | h. m.     | o. | '     | h. m.     | o. | '     |
| 1 21a  | —  | 15 38 | 1 16a    | —  | 17 30 | 0 58a     | —  | 17 56 | 0 24a     | —  | 16 6  | 11 26m    | —  | 11 59 |
| 9 38m  | +  | 11 19 | 9 42m    | +  | 8 54  | 9 46m     | +  | 6 30  | 9 49m     | +  | 3 37  | 9 53      | +  | 0 49  |
| 5 8  | —  | 23 16 | 4 55     | —  | 23 29 | 4 40      | —  | 23 40 | 4 24      | —  | 23 50 | 4 6       | —  | 24 1  |
| 6 41   | —  | 20 3  | 6 34     | —  | 19 54 | 6 7       | —  | 19 47 | 5 49      | —  | 19 41 | 5 31      | —  | 19 36 |
| 10 46  | —  | 2 32  | 10 32    | —  | 1 46  | 10 17     | —  | 1 2   | 10 3      | —  | 0 18  | 9 47      | —  | 0 24  |
| 4 59a  | +  | 6 43  | 4 41a    | +  | 7 43  | 4 23a     | +  | 6 52  | 4 5a      | +  | 6 4   | 3 47a     | +  | 5 18  |
| 5 39   | —  | 29 24 | 5 22     | —  | 29 30 | 5 5       | —  | 29 25 | 4 49      | —  | 29 19 | 4 32      | —  | 29 12 |
| 10 10m   | +  | 8 22  | 9 51m    | +  | 7 55  | 9 32m     | +  | 7 29  | 9 12m     | +  | 7 3   | 8 53m     | +  | 6 38  |
| 11 37a   | —  | 0 46  | 11 11a   | —  | 0 57  | 10 46a    | —  | 1 7   | 10 21a    | —  | 1 17  | 9 56a     | —  | 1 25  |
| 0 54m  | +  | 9 6   | 0 30m    | +  | 9 1   | 0 6m      | +  | 8 56  | 11 37     | +  | 8 50  | 11 12     | +  | 8 44  |

| Days of Month. | Moon South.<br>Mean Time. | Moon rises or sets. Mean Time. |                 |                 |                 |                 | PHENOMENA AND OBSERVATIONS.                               |
|----------------|---------------------------|--------------------------------|-----------------|-----------------|-----------------|-----------------|---|
|                |                           | Boston, &c.                    | N. York, &c.    | Wash'n, &c.     | Ch'ton, &c.     | N. Ori's, &c.   |   |
|                |                           | rises.<br>h. m.                | rises.<br>h. m. | rises.<br>h. m. | rises.<br>h. m. | rises.<br>h. m. | Washington Mean Time.<br>d. h. m.                         |
| 1              | 11 53a                    | 5 42a                          | 5 43a           | 5 42a           | 5 43a           | 5 44a           | 1 4 11a $\delta$ $\hbar$ $\subset$ $\hbar$ 0 4 N.         |
| 2              | 9                         | 6 16                           | 6 16            | 6 17            | 6 20            | 6 23            | 3 1 43m $\delta$ $\hbar$ $\subset$ $\hbar$ 3 40 N.        |
| 3              | 0 44m                     | 6 50                           | 6 52            | 6 54            | 7 1             | 7 4             | 4 10 8a $\delta$ $\hbar$ $\subset$ $\hbar$ $\Pi$ * 0 8 S. |
| 4              | 1 36                      | 7 27                           | 7 30            | 7 33            | 7 42            | 7 47            | 6 0 11a $\delta$ in $\Omega$ .                            |
| 5              | 3 30                      | 8 10                           | 8 13            | 8 17            | 8 29            | 8 34            | 7 4 50a $\delta$ $\hbar$ $\subset$ $\hbar$ 4 37 N.        |
| 6              | 3 26                      | 8 57                           | 9 2             | 9 6             | 9 20            | 9 27            | 8 2 45a $\delta$ gr. Hel. Lat. S.                         |
| S.             | 4 24m                     | 9 51a                          | 9 56a           | 10 1a           | 10 15a          | 10 22a          | 18th Sunday after Trinity.                                |
| 8              | 5 22                      | 10 50                          | 10 55           | 11 0            | 11 14           | 11 21           | 9 6 20a $\delta$ $\hbar$ $\subset$ $\hbar$ 0 10 N.        |
| 9              | 6 20                      | 11 55                          | 11 58           | ...             | ...             | ...             | 9 6 27a $\delta$ $\hbar$ $\subset$ $\hbar$ * 0 14 N.      |
| 10             | 7 16                      | ...                            | ...             | 0 4m            | 0 16m           | 0 22m           | 9 6 52a $\delta$ $\hbar$ $\subset$ $\hbar$ * 0 25 N.      |
| 11             | 8 11                      | 1 1m                           | 1 5m            | 1 8             | 1 19            | 1 25            | 12 11 22a $\delta$ stationary.                            |
| 12             | 9 3                       | 2 7                            | 2 9             | 2 13            | 2 22            | 2 26            | 12 11 52a $\delta$ $\hbar$ $\subset$ $\hbar$ 0 0          |
| 13             | 9 52                      | 3 12                           | 3 15            | 3 16            | 3 22            | 3 26            | 13 6 11m $\delta$ $\hbar$ $\subset$ $\hbar$ 0 3 S.        |
| S.             | 10 41m                    | 4 18m                          | 4 20m           | 4 20m           | 4 23m           | 4 25m           | 19th Sunday after Trinity.                                |
| 15             | 11 28                     | sets.                          | sets.           | sets.           | sets.           | sets.           | 13 7 18a $\delta$ $\hbar$ $\subset$ $\hbar$ * 0 29 N.     |
| 16             | 0 14a                     | 5 55a                          | 5 57a           | 5 58a           | 6 5a            | 6 8a            | 14 7 21a $\delta$ $\hbar$ $\subset$ $\hbar$ * 2 1 S.      |
| 17             | 1 1                       | 6 27                           | 6 30            | 6 32            | 6 41            | 6 45            | 16 1 40m $\square$ $\hbar$ $\odot$ .                      |
| 18             | 1 47                      | 7 0                            | 7 4             | 7 8             | 7 18            | 7 24            | St. Luke.   |
| 19             | 2 34                      | 7 37                           | 7 42            | 7 46            | 7 56            | 8 5             | 17 1 39m $\delta$ $\hbar$ $\subset$ $\hbar$ 7 53 S.       |
| 20             | 3 21                      | 8 19                           | 8 24            | 8 28            | 8 42            | 8 49            | 17 2 5a $\delta$ $\hbar$ $\odot$ .                        |
| S.             | 4 8a                      | 9 3a                           | 9 3a            | 9 13a           | 9 27a           | 9 34a           | 20th Sunday after Trinity.                                |
| 22             | 4 56                      | 9 58                           | 9 58            | 10 2            | 10 16           | 10 23           | 20 7 54a $\delta$ in Perihelion.                          |
| 23             | 5 44                      | 10 45                          | 10 49           | 10 54           | 11 7            | 11 14           | 23 1 50a $\delta$ $\hbar$ $\odot$ $\hbar$ 1 53 N.         |
| 24             | 6 31                      | 11 40                          | 11 44           | 11 49           | ...             | ...             | 23 11 52m Inf. $\delta$ $\hbar$ $\odot$ .                 |
| 25             | 7 18                      | ...                            | ...             | ...             | 0 0m            | 0 6m            | 26 6 43m $\delta$ $\hbar$ $\eta$ $\eta$ * 0 14 S.         |
| 26             | 8 5                       | 0 40m                          | 0 43m           | 0 47m           | 0 56            | 1 1             | 27 2 21m $\delta$ in $\Omega$ .                           |
| 27             | 9 53                      | 1 41                           | 1 44            | 1 46            | 1 53            | 1 57            | 28 10 39a $\delta$ $\hbar$ $\subset$ $\hbar$ 0 1 N.       |
| S.             | 9 41a                     | 2 45m                          | 2 46m           | 2 48m           | 2 52m           | 2 55m           | 21st Sun. after Trin. St. Simon and St. Jude.             |
| 29             | 10 31                     | 3 50                           | 3 51            | 3 52            | 3 53            | 3 54            | 29 7 0m $\delta$ in $\Omega$ .                            |
| 30             | 11 23                     | rises.                         | rises.          | rises.          | rises.          | rises.          | 30 9 28m $\delta$ $\hbar$ $\subset$ $\hbar$ 3 36 N.       |
| 31             | 8                         | 5 22a                          | 5 24a           | 5 27a           | 5 34a           | 5 39a           | 31 3 56a $\delta$ in Perihelion.                          |

Twilight begins and ends. Mean Time.

|           | 1st day. |       | 7th day. |       | 13th day. |       | 19th day. |       | 25th day. |       |
|-----------|----------|-------|----------|-------|-----------|-------|-----------|-------|-----------|-------|
|           | Begin.   | Ends. | Begin.   | Ends. | Begin.    | Ends. | Begin.    | Ends. | Begin.    | Ends. |
|           | h. m.    | h. m. | h. m.    | h. m. | h. m.     | h. m. | h. m.     | h. m. | h. m.     | h. m. |
| Boston,   | 4 56m    | 6 30a | 5 51m    | 6 23a | 5 11m     | 6 18a | 5 17m     | 6 14a | 5 23m     | 6 11a |
| N. York,  | 4 57     | 6 31  | 5 4      | 6 24  | 5 10      | 6 19  | 5 15      | 6 16  | 5 21      | 6 13  |
| Wash'n,   | 4 57     | 6 31  | 5 3      | 6 25  | 5 8       | 6 21  | 5 13      | 6 18  | 5 19      | 6 15  |
| Charles., | 4 54     | 6 34  | 4 59     | 6 29  | 5 3       | 6 25  | 5 7       | 6 23  | 5 13      | 6 22  |
| N. Orl's, | 4 53     | 6 35  | 4 55     | 6 31  | 5 1       | 6 28  | 5 5       | 6 26  | 5 9       | 6 25  |

PERIGEE AND APOGEE OF THE MOON.

Perigee, 2d day, 6h. A. | Apogee, 18th day, 4h. A. | Perigee, 30th day, 11h. A.

PHASES OF THE MOON.

Last Quarter, 7th day, 3h. 14.5m. M. | First Quarter, 22d day, 9h. 16.0m. A.  
New Moon, 14th " 4 5.0 A. | Full Moon, 29th " 10 16.8 A.

| Days of Month. | Days of Week. | Sun's upper limb rises and sets (cor. for refr.) M. Time. |       |               |       |                 |       |                 |       |                 |       | High Water. M. Time. |               |                 |
|----------------|---------------|---|-------|---------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|----------------------|---------------|-----------------|
|                |               | Boston, &c.   |       | New York, &c. |       | Washington, &c. |       | Charleston, &c. |       | N. Orleans, &c. |       | Boston, &c.          | New York, &c. | Charleston, &c. |
|                |               | rises.  | sets. | rises.        | sets. | rises.          | sets. | rises.          | sets. | rises.          | sets. | h. m.                | h. m.         | h. m.           |
| 1              | Th.           | 6 33  | 4 53  | 6 30          | 4 57  | 6 27            | 5 0   | 6 18            | 5 10  | 6 14            | 5 13  | 11 44a               | 9 24a         | 7 44a           |
| 2              | F.            | 34  | 52    | 31            | 56    | 28              | 4 59  | 19              | 9     | 15              | 12    | . . .                | 10 4          | 8 24            |
| 3              | S.            | 35  | 51    | 32            | 55    | 29              | 58    | 20              | 8     | 16              | 11    | 0 24m                | 10 47         | 9 7             |
| 4              | Su.           | 6 36  | 4 50  | 6 33          | 4 54  | 6 30            | 4 57  | 6 21            | 5 7   | 6 17            | 5 10  | 1 7m                 | 11 30a        | 9 50a           |
| 5              | M.            | 38  | 49    | 34            | 53    | 31              | 56    | 22              | 7     | 17              | 10    | 1 50                 | . . .         | 10 37           |
| 6              | Tu.           | 39  | 47    | 35            | 51    | 32              | 55    | 23              | 6     | 18              | 9     | 2 37                 | 0 17m         | 11 26           |
| 7              | W.            | 40  | 46    | 37            | 50    | 33              | 54    | 24              | 5     | 19              | 8     | 3 28                 | 1 8           | . . .           |
| 8              | Th.           | 42  | 45    | 38            | 49    | 35              | 53    | 25              | 4     | 20              | 8     | 4 30                 | 2 10          | 0 30m           |
| 9              | F.            | 43  | 44    | 39            | 48    | 36              | 52    | 26              | 3     | 20              | 7     | 5 47                 | 3 27          | 1 47            |
| 10             | S.            | 44  | 43    | 40            | 47    | 37              | 51    | 27              | 2     | 21              | 6     | 7 10                 | 4 50          | 3 10            |
| 11             | Su.           | 6 46  | 4 42  | 6 42          | 4 46  | 6 39            | 4 50  | 6 28            | 5 2   | 6 22            | 5 6   | 8 28m                | 6 8m          | 4 28m           |
| 12             | M.            | 47  | 41    | 43            | 45    | 40              | 49    | 29              | 1     | 23              | 5     | 9 25                 | 7 5           | 5 25            |
| 13             | Tu.           | 48  | 40    | 44            | 44    | 41              | 48    | 30              | 0     | 24              | 5     | 10 13                | 7 53          | 6 13            |
| 14             | W.            | 50  | 39    | 46            | 43    | 42              | 47    | 31              | 0     | 25              | 4     | 10 53                | 8 33          | 6 53            |
| 15             | Th.           | 51  | 38    | 47            | 42    | 43              | 46    | 32              | 4 59  | 26              | 4     | 11 30                | 9 10          | 7 30            |
| 16             | F.            | 52  | 37    | 48            | 41    | 44              | 45    | 32              | 56    | 26              | 3     | 0 52                 | 9 45          | 8 5             |
| 17             | S.            | 53  | 36    | 49            | 41    | 45              | 44    | 33              | 57    | 27              | 3     | 0 38                 | 10 18         | 8 38            |
| 18             | Su.           | 6 54  | 4 35  | 6 50          | 4 40  | 6 46            | 4 44  | 6 34            | 4 57  | 6 28            | 5 2   | 1 11a                | 10 51m        | 9 11m           |
| 19             | M.            | 55  | 34    | 51            | 39    | 47              | 43    | 35              | 56    | 29              | 2     | 1 42                 | 11 22         | 9 42            |
| 20             | Tu.           | 57  | 34    | 53            | 39    | 48              | 42    | 36              | 56    | 29              | 2     | 2 17                 | 11 57         | 10 17           |
| 21             | W.            | 58  | 33    | 54            | 38    | 49              | 42    | 36              | 55    | 30              | 1     | 2 54                 | 0 34a         | 10 54           |
| 22             | Th.           | 59  | 32    | 55            | 37    | 50              | 41    | 37              | 55    | 31              | 1     | 3 38                 | 1 18          | 11 38           |
| 23             | F.            | 7 0   | 31    | 56            | 36    | 51              | 41    | 38              | 55    | 32              | 1     | 4 26                 | 2 6           | 0 26a           |
| 24             | S.            | 2   | 31    | 57            | 35    | 52              | 41    | 39              | 54    | 33              | 0     | 5 34                 | 3 14          | 1 34            |
| 25             | Su.           | 7 3   | 4 30  | 6 58          | 4 35  | 6 53            | 4 40  | 6 40            | 4 54  | 6 34            | 5 0   | 6 48a                | 4 28a         | 2 48a           |
| 26             | M.            | 4   | 30    | 59            | 35    | 54              | 40    | 40              | 54    | 34              | 0     | 7 57                 | 5 37          | 3 57            |
| 27             | Tu.           | 5   | 29    | 7 0           | 34    | 55              | 40    | 41              | 54    | 35              | 0     | 9 0                  | 6 40          | 5 0             |
| 28             | W.            | 6   | 29    | 1             | 34    | 56              | 40    | 42              | 54    | 36              | 0     | 9 47                 | 7 27          | 5 47            |
| 29             | Th.           | 8   | 29    | 3             | 34    | 56              | 40    | 43              | 54    | 37              | 0     | 10 36                | 8 16          | 6 36            |
| 30             | F.            | 9   | 28    | 4             | 33    | 59              | 39    | 44              | 54    | 38              | 0     | 11 19                | 8 59          | 7 19            |



## Passage of the Meridian (mean time) and Declination of the Planets.

|        | 1st day. |      | 7th day. |         | 13th day. |         | 19th day. |         | 25th day. |         |
|--------|----------|------|----------|---------|-----------|---------|-----------|---------|-----------|---------|
|        | souths.  | Dec. | souths.  | Dec.    | souths.   | Dec.    | souths.   | Dec.    | souths.   | Dec.    |
|        | h. m.    | o    | h. m.    | o       | h. m.     | o       | h. m.     | o       | h. m.     | o       |
| 10 50m | — 8 3    |      | 10 34m   | — 8 4   | 10 35m    | — 10 23 | 10 43m    | — 13 34 | 10 55m    | — 16 51 |
| 9 57   | — 2 30   |      | 10 1     | — 5 21  | 10 5      | — 8 9   | 10 10     | — 10 51 | 10 14     | — 13 24 |
| 3 43   | + 24 16  |      | 3 21     | + 24 31 | 2 57      | + 24 49 | 2 31      | + 25 8  | 2 3       | + 25 28 |
| 5 9    | + 19 34  |      | 4 47     | + 19 34 | 4 26      | + 19 38 | 4 4       | + 19 45 | 3 41      | + 19 57 |
| 9 30   | — 1 12   |      | 9 14     | — 1 52  | 8 59      | — 2 30  | 8 43      | — 3 5   | 8 27      | — 3 39  |
| 3 28a  | + 4 32   |      | 3 11a    | + 3 55  | 2 54a     | + 3 23  | 2 38a     | + 2 54  | 2 22a     | + 2 29  |
| 4 14   | — 29 0   |      | 4 0      | — 28 47 | 3 44      | — 28 34 | 3 30      | — 28 19 | 3 15      | — 28 1  |
| 8 30m  | + 6 11   |      | 8 10m    | + 5 49  | 7 50m     | + 5 29  | 7 29m     | + 5 10  | 7 9m      | + 4 53  |
| 9 27a  | — 1 34   |      | 9 2a     | — 1 40  | 8 38a     | — 1 45  | 8 14a     | — 1 48  | 7 50a     | — 1 50  |
| 10 44  | + 8 38   |      | 10 19    | + 8 33  | 9 55      | + 8 29  | 9 30      | + 8 25  | 9 6       | + 8 21  |

| Days of Month. | Moon Souths.<br>Mean Time. | Moon rises or sets. Mean Time. |                 |                 |                 |                 |
|----------------|----------------------------|--------------------------------|-----------------|-----------------|-----------------|-----------------|
|                |                            | Boston, &c.                    | N. York, &c.    | Wash'n, &c.     | Ch'ston, &c.    | N. Ori's, &c.   |
|                | h. m.                      | rises.<br>h. m.                | rises.<br>h. m. | rises.<br>h. m. | rises.<br>h. m. | rises.<br>h. m. |
| 1              | 0 16m                      | 6 3a                           | 6 6a            | 6 10a           | 6 21a           | 6 27a           |
| 2              | 1 14                       | 6 50                           | 6 54            | 6 58            | 7 11            | 7 18            |
| 3              | 2 13                       | 7 43                           | 7 47            | 7 53            | 8 7             | 8 14            |
| S.             | 3 14m                      | 8 42a                          | 8 47a           | 8 52a           | 9 7a            | 9 14a           |
| 5              | 4 14                       | 9 46                           | 9 51            | 9 57            | 10 10           | 10 16           |
| 6              | 5 12                       | 10 53                          | 10 57           | 11 1            | 11 13           | 11 19           |
| 7              | 6 8                        | ...                            | ...             | ...             | ...             | ...             |
| 8              | 7 0                        | 0 0m                           | 0 3m            | 0 6m            | 0 15m           | 0 20m           |
| 9              | 7 50                       | 1 5                            | 1 7             | 1 10            | 1 16            | 1 20            |
| 10             | 8 38                       | 2 10                           | 2 11            | 2 13            | 2 16            | 2 19            |
| S.             | 9 24m                      | 3 14m                          | 3 14m           | 3 14m           | 3 13m           | 3 16m           |
| 12             | 10 10                      | 4 15                           | 4 14            | 4 14            | 4 11            | 4 11            |
| 13             | 10 56                      | sets.                          | sets.           | sets.           | sets.           | sets.           |
| 14             | 11 43                      | 5 0a                           | 5 3a            | 5 7a            | 5 16a           | 5 21a           |
| 15             | 0 28a                      | 5 35                           | 5 40            | 5 43            | 5 55            | 6 2             |
| 16             | 1 15                       | 6 14                           | 6 19            | 6 24            | 6 37            | 6 44            |
| 17             | 2 3                        | 6 58                           | 7 3             | 7 8             | 7 22            | 7 29            |
| S.             | 2 50a                      | 7 41a                          | 7 50a           | 7 54a           | 8 9a            | 8 15a           |
| 19             | 3 38                       | 8 36                           | 8 41            | 8 46            | 8 59            | 9 7             |
| 20             | 4 25                       | 9 29                           | 9 34            | 9 38            | 9 50            | 9 57            |
| 21             | 5 11                       | 10 26                          | 10 29           | 10 33           | 10 43           | 10 49           |
| 22             | 5 57                       | 11 26                          | 11 29           | 11 32           | 11 40           | 11 44           |
| 23             | 6 44                       | ...                            | ...             | ...             | ...             | ...             |
| 24             | 7 30                       | 0 27m                          | 0 28m           | 0 31m           | 0 36m           | 0 39m           |
| S.             | 8 18a                      | 1 29m                          | 1 31m           | 1 31m           | 1 33m           | 1 36m           |
| 26             | 9 8                        | 2 35                           | 2 35            | 2 35            | 2 35            | 2 36            |
| 27             | 10 1                       | 3 44                           | 3 44            | 3 43            | 3 38            | 3 38            |
| 28             | 10 57                      | rises.                         | rises.          | rises.          | rises.          | rises.          |
| 29             | 11 56                      | 4 36a                          | 4 41a           | 4 44a           | 4 56a           | 5 2a            |
| 30             | 3                          | 5 28                           | 5 32            | 5 37            | 5 51            | 5 56            |

## PHENOMENA AND OBSERVATIONS.

## Sundays and Holidays.

## Washington Mean Time.

d. h. m. o

All Saints.

1 6 52m ♂ ♀ η η η \* 1 22 N.

2 2 4a ♂ stationary.

## 22d Sunday after Trinity.

2 6 52m ♂ ♀ σ σ \* 0 44 N.

4 10 2m ♂ ♂ C ♂ 5 10 N.

8 10 58a ♂ stationary.

9 11 29m ♀ gr. elong. 19 1 W.

9 1 58a ♂ ♀ C ♀ 0 33 S.

## 23d Sunday after Trinity.

10 11 58a ♂ gr. Hel. Lat. N.

11 10 4a ♀ gr. Hel. Lat. N.

12 6 51m ♂ ♀ C ♀ 2 31 S.

12 11 21a ♂ ♂ C ♀ 2 21 S.

13 10 8a ♂ ♀ σ σ \* 1 46 S.

## 24th Sunday after Trinity.

25 6 35m ♂ ♀ C ♀ 0 15 N.

## 25th Sunday after Trinity.

25 7 0m ♀ stationary.

26 6 25a ♂ ♀ C ♀ 3 43 N.

St. Andrew.

Twilight begins and ends. Mean Time.

|           | 1st day. |       | 7th day. |       | 13th day. |       | 19th day. |       | 25th day. |       |
|-----------|----------|-------|----------|-------|-----------|-------|-----------|-------|-----------|-------|
|           | Begin.   | Ends. | Begin.   | Ends. | Begin.    | Ends. | Begin.    | Ends. | Begin.    | Ends. |
|           | h. m.    | h. m. | h. m.    | h. m. | h. m.     | h. m. | h. m.     | h. m. | h. m.     | h. m. |
| Boston,   | 5 29m    | 6 9a  | 5 35m    | 6 9a  | 5 40m     | 6 18a | 5 43m     | 6 10a | 5 46m     | 6 14a |
| N. York,  | 5 27     | 6 11  | 5 33     | 6 11  | 5 37      | 6 11  | 5 41      | 6 13  | 5 44      | 6 16  |
| Wash'n,   | 5 26     | 6 13  | 5 30     | 6 14  | 5 34      | 6 14  | 5 38      | 6 16  | 5 41      | 6 19  |
| Charles., | 5 17     | 6 21  | 5 23     | 6 22  | 5 26      | 6 23  | 5 29      | 6 26  | 5 33      | 6 28  |
| N. Orl's, | 5 13     | 6 26  | 5 18     | 6 26  | 5 24      | 6 27  | 5 26      | 6 29  | 5 28      | 6 32  |

APOGEE AND PERIGEE OF THE MOON.

Apogee, 16th day, 1h. M.

Perigee, 29th day, 11h. M.

PHASES OF THE MOON.

Last Quarter, 6th day, 1h. 44.5m. A. | First Quarter, 22d day, 2h. 32.0m. A.  
 New Moon, 14th " 10 29.7 M. | Full Moon, 29th " 8 52.2 M.

| Days of Month. | Days of Week. | Sun's upper limb rises and sets (cor. for refr.) M. Time. |             |               |             |                 |             |                 |             |                 |             | High Water. M. Time. |               |                 |
|----------------|---------------|---|-------------|---------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|----------------------|---------------|-----------------|
|                |               | Boston, &c.   |             | New York, &c. |             | Washington, &c. |             | Charleston, &c. |             | N. Orleans, &c. |             | Boston, &c.          | New York, &c. | Charleston, &c. |
|                |               | rises. h. m.  | sets. h. m. | rises. h. m.  | sets. h. m. | rises. h. m.    | sets. h. m. | rises. h. m.    | sets. h. m. | rises. h. m.    | sets. h. m. | h. m.                | h. m.         | h. m.           |
| 1              | S.            | 7 10  | 4 28        | 7 5           | 4 33        | 7 0             | 4 39        | 6 44            | 4 54        | 6 39            | 5 0         | ...                  | 9 45a         | 8 5a            |
| 2              | Su.           | 7 11  | 4 28        | 7 6           | 4 33        | 7 1             | 4 39        | 6 45            | 4 54        | 6 40            | 5 0         | 0 5m                 | 10 32a        | 8 52a           |
| 3              | M.            | 12  | 28          | 7             | 33          | 2               | 39          | 46              | 54          | 40              | 0           | 0 53                 | 11 19         | 9 39            |
| 4              | Tu.           | 13  | 28          | 8             | 33          | 3               | 39          | 47              | 54          | 41              | 0           | 1 39                 | ...           | 10 30           |
| 5              | W.            | 14  | 28          | 9             | 33          | 4               | 38          | 47              | 54          | 42              | 0           | 2 30                 | 0 10m         | 11 23           |
| 6              | Th.           | 15  | 28          | 10            | 33          | 5               | 38          | 48              | 54          | 43              | 0           | 3 23                 | 1 3           | ...             |
| 7              | F.            | 16  | 28          | 11            | 33          | 6               | 38          | 49              | 54          | 44              | 0           | 4 18                 | 1 46          | 0 18m           |
| 8              | S.            | 17  | 28          | 12            | 33          | 7               | 38          | 50              | 54          | 44              | 1           | 5 23                 | 3 2           | 1 23            |
| 9              | Su.           | 7 18  | 4 28        | 7 13          | 4 33        | 7 8             | 4 38        | 6 50            | 4 54        | 6 45            | 5 1         | 6 35m                | 4 15m         | 3 35m           |
| 10             | M.            | 19  | 28          | 14            | 33          | 9               | 38          | 51              | 54          | 46              | 1           | 7 46                 | 5 26          | 3 46            |
| 11             | Tu.           | 20  | 28          | 15            | 33          | 10              | 38          | 52              | 55          | 46              | 1           | 8 51                 | 6 31          | 4 51            |
| 12             | W.            | 21  | 28          | 16            | 33          | 11              | 38          | 53              | 55          | 47              | 2           | 9 44                 | 7 24          | 5 44            |
| 13             | Th.           | 22  | 28          | 17            | 33          | 11              | 38          | 54              | 55          | 48              | 2           | 10 28                | 8 8           | 6 28            |
| 14             | F.            | 23  | 28          | 18            | 33          | 12              | 38          | 55              | 55          | 48              | 2           | 11 8                 | 8 43          | 7 8             |
| 15             | S.            | 24  | 29          | 19            | 34          | 13              | 39          | 56              | 56          | 49              | 3           | 11 45                | 9 25          | 7 45            |
| 16             | Su.           | 7 24  | 4 29        | 7 19          | 4 34        | 7 13            | 4 39        | 6 56            | 4 56        | 6 49            | 5 3         | 0 21a                | 10 1m         | 8 21m           |
| 17             | M.            | 25  | 29          | 20            | 34          | 14              | 40          | 57              | 56          | 50              | 3           | 0 54                 | 10 34         | 8 54            |
| 18             | Tu.           | 25  | 29          | 20            | 34          | 14              | 40          | 57              | 56          | 50              | 3           | 1 27                 | 11 7          | 9 27            |
| 19             | W.            | 26  | 30          | 21            | 35          | 15              | 41          | 58              | 57          | 51              | 4           | 2 0                  | 11 40         | 10 0            |
| 20             | Th.           | 26  | 30          | 21            | 35          | 15              | 41          | 58              | 57          | 51              | 4           | 2 36                 | 0 16a         | 10 36           |
| 21             | F.            | 27  | 31          | 22            | 36          | 15              | 42          | 59              | 58          | 52              | 5           | 3 16                 | 0 56          | 11 16           |
| 22             | S.            | 27  | 31          | 22            | 36          | 16              | 42          | 59              | 58          | 52              | 5           | 4 0                  | 1 40          | 0 0a            |
| 23             | Su.           | 7 28  | 4 29        | 7 22          | 4 37        | 7 16            | 4 43        | 7 0             | 4 59        | 6 53            | 5 6         | 4 43a                | 2 28a         | 0 48a           |
| 24             | M.            | 28  | 32          | 22            | 37          | 16              | 43          | 0               | 59          | 53              | 6           | 5 50                 | 3 30          | 1 50            |
| 25             | Tu.           | 28  | 33          | 23            | 38          | 17              | 44          | 0               | 5 0         | 53              | 7           | 7 1                  | 4 41          | 3 1             |
| 26             | W.            | 29  | 33          | 23            | 38          | 17              | 44          | 1               | 1           | 54              | 7           | 8 11                 | 5 51          | 4 11            |
| 27             | Th.           | 29  | 34          | 23            | 39          | 17              | 45          | 1               | 1           | 54              | 8           | 9 13                 | 6 53          | 5 13            |
| 28             | F.            | 29  | 34          | 24            | 39          | 18              | 45          | 1               | 2           | 55              | 9           | 10 7                 | 7 47          | 6 7             |
| 29             | S.            | 29  | 35          | 24            | 40          | 18              | 46          | 2               | 3           | 55              | 9           | 10 50                | 8 39          | 6 59            |
| 30             | Su.           | 7 30  | 4 26        | 7 24          | 4 41        | 7 18            | 4 47        | 7 2             | 5 4         | 6 55            | 5 10        | 11 51a               | 9 31a         | 7 51a           |
| 31             | M.            | 30  | 37          | 25            | 42          | 19              | 48          | 3               | 5           | 56              | 11          | ...                  | 10 23         | 8 43            |

## Passage of the Meridian (mean time) and Declination of the Planets.

|    | 1st day. |        | 7th day. |        | 13th day. |        | 19th day. |        | 25th day. |        |
|----|----------|--------|----------|--------|-----------|--------|-----------|--------|-----------|--------|
|    | souths.  | Dec.   | souths.  | Dec.   | souths.   | Dec.   | souths.   | Dec.   | souths.   | Dec.   |
|    | h. m.    | o. ' " | h. m.    | o. ' " | h. m.     | o. ' " | h. m.     | o. ' " | h. m.     | o. ' " |
| 11 | 8m       | —19 45 | 11 24m   | —22 9  | 11 40m    | —23 56 | 11 56m    | —24 56 | 0 17a     | —25 8  |
| 8  | 20       | —15 46 | 8 27     | —17 63 | 8 34      | —19 43 | 8 42      | —21 14 | 8 50m     | —22 22 |
| 1  | 32       | +25 49 | 0 59     | +26 7  | 0 26      | +26 20 | 11 46a    | +26 30 | 11 13a    | +26 32 |
| 3  | 18       | +20 12 | 2 50     | +20 32 | 2 27      | +20 55 | 1 56m     | +21 22 | 1 31m     | +21 52 |
| 8  | 10       | —4 9   | 7 54     | —4 37  | 7 37      | —4 1   | 7 20      | —5 23  | 7 2       | —5 41  |
| 2  | 6a       | +2 11  | 1 50a    | +1 54  | 1 34a     | +1 41  | 1 19a     | +1 32  | 1 3a      | +1 27  |
| 3  | 1        | —27 42 | 2 47     | —27 20 | 2 33      | —26 56 | 2 19      | —26 29 | 2 5       | —26 1  |
| 6  | 48m      | +4 38  | 6 26m    | +4 25  | 6 5m      | +4 14  | 5 43m     | +4 6   | 5 20m     | +4 0   |
| 7  | 26a      | —1 50  | 7 2a     | —1 48  | 6 39a     | —1 45  | 6 15a     | —1 41  | 5 52a     | —1 35  |
| 8  | 42       | +8 17  | 8 18     | +8 15  | 7 54      | +8 13  | 7 30      | +8 11  | 7 6       | +8 10  |

| Days of Month. | Moon Souths.<br>Mean Time. | Moon rises or sets. Mean time. |              |              |              |               |
|----------------|----------------------------|--------------------------------|--------------|--------------|--------------|---------------|
|                |                            | Boston, &c.                    | N. York, &c. | Wash'n, &c.  | Ch'ston, &c. | N. Orl's, &c. |
|                |                            | rises. h. m.                   | rises. h. m. | rises. h. m. | rises. h. m. | rises. h. m.  |
| 1              | 0 57m                      | 6 25a                          | 6 30a        | 6 36a        | 6 51a        | 6 56a         |
| S.             | 2 0m                       | 7 30a                          | 7 33a        | 7 40a        | 7 54a        | 8 2a          |
| 3              | 3 1                        | 8 40                           | 8 43         | 8 48         | 9 1          | 9 7           |
| 4              | 4 0                        | 9 48                           | 9 52         | 9 55         | 10 6         | 10 12         |
| 5              | 4 56                       | 10 56                          | 10 59        | 11 2         | 11 9         | 11 13         |
| 6              | 5 48                       | ...                            | ...          | ...          | ...          | ...           |
| 7              | 6 37                       | 0 3m                           | 0 4m         | 0 7m         | 0 10m        | 0 14m         |
| 8              | 7 23                       | 1 6                            | 1 8          | 1 8          | 1 10         | 1 11          |
| S.             | 8 9m                       | 2 9m                           | 2 8m         | 2 8m         | 2 7m         | 2 7m          |
| 10             | 8 54                       | 3 8                            | 3 7          | 3 7          | 3 2          | 3 2           |
| 11             | 9 39                       | 4 10                           | 4 8          | 4 7          | 3 59         | 3 57          |
| 12             | 10 25                      | 5 8                            | 5 6          | 5 3          | 4 53         | 4 50          |
| 13             | 11 11                      | sets.                          | sets.        | sets.        | sets.        | sets.         |
| 14             | 11 59                      | 4 55a                          | 5 0a         | 5 4a         | 5 19a        | 5 25a         |
| 15             | 0 46a                      | 5 40                           | 5 45         | 5 50         | 6 4          | 6 11          |
| S.             | 1 34a                      | 6 30a                          | 6 35a        | 6 39a        | 6 54a        | 7 0a          |
| 17             | 2 22                       | 7 23                           | 7 27         | 7 32         | 7 45         | 7 52          |
| 18             | 3 8                        | 8 18                           | 8 22         | 8 26         | 8 37         | 8 43          |
| 19             | 3 54                       | 9 16                           | 9 20         | 9 23         | 9 32         | 9 37          |
| 20             | 4 39                       | 10 16                          | 10 18        | 10 20        | 10 27        | 10 30         |
| 21             | 5 24                       | 11 15                          | 11 17        | 11 19        | 11 22        | 11 26         |
| 22             | 6 10                       | ...                            | ...          | ...          | ...          | ...           |
| S.             | 6 57a                      | 0 18m                          | 0 19m        | 0 19m        | 0 21m        | 0 22m         |
| 24             | 7 46                       | 1 23                           | 1 22         | 1 23         | 1 20         | 1 20          |
| 25             | 8 38                       | 2 30                           | 2 29         | 2 27         | 2 22         | 2 22          |
| 26             | 9 35                       | 3 41                           | 3 38         | 3 36         | 3 28         | 3 26          |
| 27             | 10 34                      | 4 52                           | 4 49         | 4 46         | 4 35         | 4 32          |
| 28             | 11 37                      | rises.                         | rises.       | rises.       | rises.       | rises.        |
| 29             | 8                          | 5 6a                           | 5 11a        | 5 17a        | 5 32a        | 5 37a         |
| S.             | 0 40m                      | 6 15a                          | 6 20a        | 6 25a        | 6 38a        | 6 46a         |
| 31             | 1 43                       | 7 26                           | 7 31         | 7 35         | 7 47         | 7 52          |

## PHENOMENA AND OBSERVATIONS.

## Sundays and Holidays.

## Washington Mean Time.

d. h. m. 1 1 15a 6 8 8 6 30 N.

## 1st Sunday in Advent.

4 11 48m 6 in 8.  
4 0 52a 6 7 6 1 \* 0 4 S.  
5 4 28m 6 2 stationary.  
7 1 31m 6 2 1 1 S.  
12 2 36a 6 2 4 6 S.  
13 7 0m 6 2 in 8.

## 2d Sunday in Advent.

13 11 1a 6 2 1 1 S.  
14 3 16m 6 2 5 41 S.  
14 3 36a 6 2 in Aphelion.  
17 9 35a 6 2 156 8 \* 1 7 N.  
18 1 41m 6 2 1 1 S.  
19 4 33m Sup. 6 2 1 1 S.

## 3d Sunday in Advent.

20 5 58m 6 2 132 8 \* 1 59 S.  
21 4 34a 6 2 enters 6 2. Winter begins.  
22 3 5a 6 2 6 2 0 39 N.  
23 3 52m 6 2 6 2 0 39 N.

## St. Thomas.

24 2 59m 6 2 3 56 N.

## 4th Sunday in Advent.

28 6 11m 6 2 7 51 N.

## Christmas Day.

## St. Stephen.

## St. John.

## Innocents.

31 7 17m 6 2 farthest from 6 2.

## 1st Sunday after Christmas.

31 6 52a 6 2 stationary.

## ECLIPSES IN 1849.

In the year 1849, there will be four eclipses; two of the Sun, and two of the Moon. One of the lunar eclipses will be visible in the United States.

I. Thursday, February 22d. An annular eclipse of the Sun, invisible in the United States.

Beginning of the general eclipse, 5h. 58.9m. A. [mean time at Washington Observatory], in latitude  $12^{\circ} 56'$  N. and longitude  $106^{\circ} 55'$  E. of Greenwich.

Beginning of the central and annular eclipse, 7h. 16.4m. A., in latitude  $33^{\circ} 24'$  N. and longitude  $93^{\circ} 35'$  E. of Greenwich.

Central eclipse at noon, 8h. 52.8m. A., in latitude  $41^{\circ} 22'$  N. and longitude  $153^{\circ} 9'$  E. of Greenwich.

End of the central and annular eclipse, 9h. 42.7m. A., in latitude  $62^{\circ} 39'$  N. and longitude  $148^{\circ} 55'$  W. of Greenwich.

End of the general eclipse, 11h. 0.2m. A., in latitude  $43^{\circ} 50'$  N. and longitude  $158^{\circ} 16'$  W. of Greenwich.

The central line passes over the points on the earth's surface, whose positions are

| Latitude.           | Longitude from Greenwich. | Latitude.           | Longitude from Greenwich. |
|---------------------|---------------------------|---------------------|---------------------------|
| $32^{\circ} 24'$ N. | $93^{\circ} 35'$ E.       | $41^{\circ} 22'$ N. | $153^{\circ} 9'$ E.       |
| 30 55               | 103 43                    | 47 19               | 164 25                    |
| 30 10               | 114 27                    | 53 45               | 178 55                    |
| 30 52               | 126 52                    | 58 52               | 165 33 W.                 |
| 33 50               | 137 27                    | 62 39               | 148 55                    |
| 40 26               | 151 26                    |                     |                           |

This eclipse will be visible in most of the western portions of Asia, and in the northwestern part of North America.

II. Thursday, March 8th. A partial eclipse of the Moon, visible throughout the United States as follows:—

| Place.       | Beginning of Eclipse | Middle of Eclipse. | End of Eclipse. | Place.              | Beginning of Eclipse | Middle of Eclipse. | End of Eclipse. |
|--------------|----------------------|--------------------|-----------------|---------------------|----------------------|--------------------|-----------------|
|              | h. m.                | h. m.              | h. m.           |                     | h. m.                | h. m.              | h. m.           |
| Albany,      | 6 30.2               | 8 0.3              | 9 30.4          | Columbus,           | inv s.               | 7 23.1             | 8 53.2          |
| Amherst,     | 35.1                 | 5.2                | 35.3            | Concord, N. H.      | 6 39.3               | 8 9.4              | 9 39.5          |
| Annapolis,   | 29.0                 | 7 59.1             | 29.2            | Detroit,            | invis.               | 7 24.4             | 8 54.5          |
| Augusta, Ga. | 7.6                  | 37.7               | 7.8             | Dover, Del.         | 6 23.2               | 53.3               | 9 23.4          |
| Augusta, Me. | 45.9                 | 8 16.0             | 46.1            | Dover, N. H.        | 41.6                 | 8 11.7             | 41.8            |
| Baltimore,   | 28.7                 | 7 58.8             | 28.9            | Eastport,           | 57.5                 | 27.6               | 57.7            |
| Bangor,      | 50.1                 | 8 20.2             | 50.3            | Frankfort,          | invis.               | 7 16.6             | 8 46.7          |
| Boston,      | 39.9                 | 10.0               | 40.1            | Frederickton, N. B. | 6 58.2               | 8 28.3             | 9 58.4          |
| Brunswick,   | 45.5                 | 15.6               | 45.7            | Halifax, N. S.      | 7 10.8               | 40.9               | 10 11.0         |
| Buffalo,     | 9.5                  | 7 39.6             | 9.7             | Harrisburg,         | 6 17.9               | 7 48.0             | 9 18.1          |
| Cambridge,   | 39.7                 | 8 9.8              | 39.9            | Hartford,           | 34.5                 | 8 4.5              | 34.6            |
| Charleston,  | 5.4                  | 7 35.5             | 5.6             | Havana,             | 5 55.7               | 7 25.8             | 8 55.9          |
| Chicago,     | invis.               | 5.3                | 8 35.4          | Hayti,              | 6 30.0               | 8 0.1              | 9 30.2          |
| Cincinnati,  | invis.               | 17.5               | 47.6            | Hudson, Ohio,       | 5 59.5               | 7 29.6             | 8 59.7          |
| Columbia,    | 6 0.7                | 30.8               | 9 0.9           | Indianapolis,       | invis.               | 11.0               | 41.1            |

| Place.            | Begin-<br>ning of<br>Eclipse | Middle<br>of<br>Eclipse. | End<br>of<br>Eclipse. | Place.             | Begin-<br>ning of<br>Eclipse | Middle<br>of<br>Eclipse. | End<br>of<br>Eclipse. |
|-------------------|------------------------------|--------------------------|-----------------------|--------------------|------------------------------|--------------------------|-----------------------|
| Jackson,          | h. m.                        | h. m.                    | h. m.                 | Portland,          | h. m.                        | h. m.                    | h. m.                 |
| Jefferson,        | invis.                       | 6 54.8                   | 8 24.9                | Portsmouth,        | 6 44.3                       | 8 14.4                   | 9 44.5                |
| Key West,         | invis.                       | 46.8                     | 16.9                  | Providence,        | 42.1                         | 12.2                     | 42.3                  |
| Kingston, Ja.     | 5 58.0                       | 7 28.1                   | 58.2                  | Quebec,            | 39.5                         | 9.6                      | 39.7                  |
| Lexington, Ky.    | 6 17.9                       | 48.0                     | 9 18.1                | Quito,             | 40.1                         | 10.2                     | 40.3                  |
| Little Rock, Ark. | invis.                       | 18.1                     | 8 48.2                | Raleigh,           | 10.2                         | 7 40.3                   | 10.4                  |
| Louisville,       | invis.                       | 6 46.5                   | 16.8                  | Richmond,          | 10.0                         | 40.1                     | 10.2                  |
| Mexico,           | invis.                       | 7 15.3                   | 45.4                  | Rio Janeiro,       | 15.4                         | 45.5                     | 15.6                  |
| Mobile, Ala.      | invis.                       | 6 18.6                   | 7 48.7                | Rochester,         | 8 32.6                       | 10 2.7                   | 11 32.8               |
| Montpellier,      | invis.                       | 7 3.4                    | 8 33.5                | St. Louis,         | 6 13.8                       | 7 43.9                   | 9 14.0                |
| Montreal,         | 6 34.8                       | 8 4.9                    | 9 36.0                | Santiago,          | invis.                       | 6 54.3                   | 8 24.4                |
| Nantucket,        | 30.9                         | 1.0                      | 31.1                  | Savannah,          | 6 23.3                       | 7 53.4                   | 9 23.5                |
| Nashville,        | 44.8                         | 14.9                     | 45.0                  | Springfield, Ill.  | 0.7                          | 30.8                     | 0.9                   |
| Natchez,          | invis.                       | 7 8.0                    | 8 38.1                | Springfield, Mass. | invis.                       | 6 57.1                   | 8 27.2                |
| New Bedford,      | invis.                       | 6 49.7                   | 19.8                  | Tallahassee,       | 6 34.8                       | 8 4.9                    | 9 36.0                |
| Newburyport,      | 6 41.5                       | 8 11.6                   | 9 41.7                | Toronto,           | invis.                       | 7 16.9                   | 8 47.0                |
| New Haven,        | 41.7                         | 11.8                     | 41.9                  | Trenton, N. J.     | 6 7.8                        | 37.9                     | 9 8.0                 |
| New Orleans,      | 33.4                         | 3.5                      | 33.6                  | Tuscaloosa,        | 26.6                         | 56.7                     | 26.8                  |
| Newport,          | invis.                       | 6 55.3                   | 8 25.4                | Univ. of Virginia, | invis.                       | 4.5                      | 8 34.6                |
| New York,         | 6 39.9                       | 8 10.0                   | 9 40.1                | Vera Cruz,         | 6 11.1                       | 7 41.2                   | 9 11.3                |
| Philadelphia,     | 29.1                         | 7 59.2                   | 29.3                  | Washington,        | invis.                       | 6 30.8                   | 0.9                   |
| Pittsburg,        | 24.5                         | 54.6                     | 24.7                  | Worcester,         | 17.1                         | 47.2                     | 17.3                  |
|                   | 5.1                          | 35.2                     | 5.3                   |                    | 38.0                         | 8 8.1                    | 38.2                  |

The phases of the eclipse for other places may easily be found by means of the following table : —

*Mean Time of Place.*

| West<br>Long. | Eclipse<br>begins. | Eclipse<br>ends. | West<br>Long. | Eclipse<br>ends. | West<br>Long. | Eclipse<br>ends. |
|---------------|--------------------|------------------|---------------|------------------|---------------|------------------|
|               | h. m.              | h. m.            |               | h. m.            |               | h. m.            |
| 67°           | 6 57.2             | 9 57.4           | 82°           | 8 57.4           | 97°           | 7 57.4           |
| 68            | 53.2               | 53.4             | 83            | 53.4             | 98            | 53.4             |
| 69            | 49.2               | 49.4             | 84            | 49.4             | 99            | 49.4             |
| 70            | 45.2               | 45.4             | 85            | 45.4             | 100           | 45.4             |
| 71            | 41.2               | 41.4             | 86            | 41.4             | 101           | 41.4             |
| 72            | 37.2               | 37.4             | 87            | 37.4             | 102           | 37.4             |
| 73            | 33.2               | 33.4             | 88            | 33.4             | 103           | 33.4             |
| 74            | 29.2               | 29.4             | 89            | 29.4             | 104           | 29.4             |
| 75            | 25.2               | 25.4             | 90            | 25.4             | 105           | 25.4             |
| 76            | 21.2               | 21.4             | 91            | 21.4             | 106           | 21.4             |
| 77            | 17.2               | 17.4             | 92            | 17.4             | 107           | 17.4             |
| 78            | 13.2               | 13.4             | 93            | 13.4             | 108           | 13.4             |
| 79            | 9.2                | 9.4              | 94            | 9.4              | 109           | 9.4              |
| 80            | 5.2                | 5.4              | 95            | 5.4              | 110           | 5.4              |
| 81            | 1.2                | 1.4              | 96            | 1.4              | 111           | 1.4              |

The first contact with the shadow occurs at 144° from the north point of the Moon's limb towards the East; the last contact, at 109° towards the west.

III. Friday, August 17th, and Saturday, August 18th. A total eclipse of the Sun, invisible in the United States.

Beginning of the general eclipse, Aug. 17th, 10h. 10.0m. A. [mean time at Washington Observatory], in latitude  $14^{\circ} 8'$  S. and longitude  $45^{\circ} 13'$  E. of Greenwich.

Beginning of the central and total eclipse, Aug. 17th, 11h. 19.8m. A., in latitude  $32^{\circ} 22'$  S. and longitude  $32^{\circ} 23'$  E. of Greenwich.

Central eclipse at noon, Aug. 18th, 0h. 51.5m. M., in latitude  $36^{\circ} 8'$  S. and longitude  $91^{\circ} 0'$  E. of Greenwich.

End of the central and total eclipse, Aug. 18th, 1h. 44.3m. M., in latitude  $56^{\circ} 42'$  S. and longitude  $145^{\circ} 21'$  E. of Greenwich.

End of the general eclipse, August 18th, 2h. 56.1m. M., in latitude  $41^{\circ} 13'$  S. and longitude  $138^{\circ} 6'$  E. of Greenwich.

The central line passes over the points on the earth's surface, whose positions are

| Longitude.          | Latitude.           | Longitude.         | Latitude.          |
|---------------------|---------------------|--------------------|--------------------|
| $32^{\circ} 23'$ E. | $32^{\circ} 22'$ S. | $91^{\circ} 0'$ E. | $36^{\circ} 8'$ S. |
| 42 50               | 30 9                | 102 25             | 42 5               |
| 54 33               | 28 31               | 115 19             | 48 22              |
| 65 46               | 28 23               | 130 20             | 54 16              |
| 77 4                | 30 23               | 145 21             | 58 42              |
| 90 26               | 35 50               |                    |                    |

This eclipse will be visible in the southern part of Africa and the greater portion of New Holland, and in the Indian Ocean.

IV. Sunday, September 2. A partial eclipse of the Moon, invisible in the United States.

|                           |            |   |
|---------------------------|------------|---|
| Beginning of the eclipse, | h. m.      | } Mean time at the<br>Washington Observatory. |
| Middle of the eclipse,    | 10 38.8 M. |   |
| End of the eclipse,       | 0 1.8 A.   |   |
|                           | 1 24.8 A.  |   |

Angle of the first point of contact from Moon's north point,  $31^{\circ}$  E.

Angle of the last point of contact from Moon's north point,  $64^{\circ}$  W.

## OCCULTATIONS.

*Elements for facilitating the Calculation of Occultations which may be visible in the United States, in 1849.*

| Day of the Month. | Star's Name.     | Magnitude. | Washington Observatory, Mean Time of ap. conj. in R. A. of Moon and Star. | At the time of Conjunction.      |                               |                     | Limiting Parallels between which the Occult. is visible. |
|-------------------|------------------|------------|---|----------------------------------|-------------------------------|---------------------|--|
|                   |                  |            |   | Apparent R. A. of Moon and Star. | Apparent Declination of Star. | Star South of Moon. |  |
| Jan.              | 5 488            | 6          | h. m. s. 3 53 45 A.   | h. m. s. 4 7 13.20               | 15 0 57.8 N.                  | 50 22 S.            | 90 N. 23 N.  |
|                   | 5 71 8           | 3.4        | 5 28 53   | 11 13.30                         | 15 15 21.9                    | 45 54               | 90 18  |
|                   | 5 71 8           | 5.6        | 8 3 52  | 17 45.71                         | 15 16 3.9                     | 60 48               | 90 36  |
|                   | 5 75 8           | 6          | 8 52 43   | 19 49.67                         | 16 0 53.8                     | 20 44               | 56 5 S.  |
|                   | 5 81 8           | 4.5        | 8 56 1  | 58.08                            | 15 37 12.0                    | 44 45               | 90 18 N.   |
|                   | 5 83 8           | 4.5        | 8 58 14   | 20 3.70                          | 15 31 43.5                    | 50 26               | 90 24  |
|                   | 5 B. A. C. 1201  | 5.6        | 9 42 33   | 21 56.31                         | 15 51 30.1                    | 34 54               | 76 8   |
|                   | 5 81 8           | 5.6        | 9 45 22   | 22 3.46                          | 15 21 24.1                    | 65 17               | 90 42  |
|                   | 5 85 8           | 6          | 10 13 40  | 23 15.44                         | 15 31 13.4                    | 58 8                | 90 33  |
|                   | 5 8 8            | 1          | 11 48 21  | 27 16.60                         | 16 11 55.6                    | 26 13               | 63 0   |
|                   | 6 111 8          | 6          | 6 34 7  | 5 15 38.00                       | 17 14 11.1                    | 45 35               | 90 22  |
|                   | 6 117 8          | 6          | 7 58 19   | 19 17.01                         | 17 6 22.9                     | 57 43               | 90 36  |
|                   | 8 26 II          | 5.6        | 0 26 3 M.   | 6 33 37.89                       | 17 47 5.2                     | 48 18               | 90 29  |
|                   | 10 5 8           | 5          | 8 48 34 A.  | 9 23 49.03                       | 11 57 46.0                    | 67 11               | 90 43  |
|                   | 14 7 8           | 3.4        | 3 42 15 M.  | 12 12 11.09                      | 0 10 19.2                     | 21 33               | 58 13 S.   |
|                   | 30 5 Ceti        | 5          | 6 55 29 A.  | 2 5 0.14                         | 8 8 0.9                       | 19 40               | 55 14  |
| Feb.              | 2 7 8            | 3.4        | 0 44 27 M.  | 4 11 13.02                       | 15 15 21.0 N.                 | 36 10 S.            | 79 N. 9 N.   |
|                   | 2 81 8           | 4.5        | 4 19 4  | 19 57.82                         | 15 37 11.2                    | 35 17               | 77 9   |
|                   | 2 83 8           | 4.5        | 4 21 21   | 20 3.43                          | 15 31 42.7                    | 40 58               | 90 14  |
|                   | 7 A 8            | 5          | 10 50 59 A.   | 9 59 54.36                       | 10 43 57.8                    | 10 2                | 44 21 S.   |
|                   | 9 8 8            | 3.4        | 10 40 19  | 11 42 50.86                      | 2 36 47.5                     | 29 57               | 69 5   |
|                   | 16 B. A. C. 5579 | 5          | 0 29 21 M.  | 16 32 50.65                      | 17 26 32.4 S.                 | 48 51               | 73 19 N.   |
| Mar.              | 19 d 8           | 5          | 2 41 29   | 19 8 46.82                       | 19 12 52.9                    | 65 43               | 71 47  |
|                   | 2 130 8          | 6          | 5 52 30 A.  | 5 38 38.60                       | 17 39 52.1 N.                 | 32 25 S.            | 73 N. 12 N.  |
|                   | 8 89 8           | 6          | 11 57 36  | 11 26 39.73                      | 3 53 43.6                     | 32 44               | 74 2 S.  |
|                   | 9 8 8            | 3.4        | 7 46 17 M.  | 11 42 51.23                      | 2 36 45.2                     | 30 26               | 70 4   |
|                   | 9 13 8           | 6          | 9 29 55 A.  | 12 10 57.34                      | 0 2 59.3                      | 44 11               | 90 10 N.   |
|                   | 9 7 8            | 3.4        | 10 6 47   | 12 12 12.25                      | 0 10 12.0                     | 30 42               | 71 4 S.  |
|                   | 14 7 8           | 4.5        | 0 3 19 M.   | 15 27 6.19                       | 14 16 53.3 S.                 | 35 42               | 72 3 N.  |
| Apr.              | 14 7 8           | 4.5        | 4 18 28   | 15 35 36.34                      | 15 11 11.2                    | 62 57               | 75 40  |
|                   | 6 7 8            | 3.4        | 5 4 3 M.  | 12 12 12.39                      | 0 10 11.3 N.                  | 30 17 S.            | 70 N. 5 S.   |
|                   | 6 38 8           | 6          | 10 20 29 A.   | 45 29.24                         | 2 44 1.9 S.                   | 36 53               | 82 2 N.  |
|                   | 10 49 8          | 5.6        | 8 10 53   | 15 51 52.97                      | 16 5 1.5                      | 62 23               | 74 39  |
|                   | 15 B. A. C. 6030 | 6          | 0 29 17 M.  | 19 19 18.62                      | 18 39 25.2                    | 34 35               | 62 2   |
|                   | 19 2 8           | 4          | 1 4 54  | 22 44 43.51                      | 8 22 53.2                     | 33 44               | 71 2 S.  |
|                   | 24 7 8           | 3.4        | 8 33 22 A.  | 4 11 11.82                       | 15 15 19.2 N.                 | 42 11               | 90 14 N.   |
| May               | 30 A 8           | 5          | 7 18 49   | 9 59 53.95                       | 10 43 59.6                    | 21 50               | 58 10 S.   |
|                   | 2 8 8            | 3.4        | 8 51 59 A.  | 11 42 51.15                      | 2 36 45.9 N.                  | 37 28 S.            | 84 N. 3 N.   |
|                   | 5 95 8           | 6          | 5 57 50   | 13 58 45.98                      | 8 35 29.7 S.                  | 36 17               | 78 2   |

| Day of the Month. | Star's Name.            | Magnitude. | Washington Observatory, Mean Time of ap. conj. in R. A. of Moon and Star. | At the time of Conjunction.      |                                   |                     | Limiting Parallels between which the Occult. is visible. |
|-------------------|-------------------------|------------|---|----------------------------------|-----------------------------------|---------------------|--|
|                   |                         |            |   | Apparent R. A. of Moon and Star. | Apparent Declination of Star.     | Star South of Moon. |  |
| May               | 7 $\eta$ $\triangle$    | 4.5        | h. m. s. 6 55 24 A.   | h. m. s. 15 35 37.42             | $^{\circ}$ $'$ $''$ 15 11 13.6 S. | 52 15 S.            | 75 N. 23 N.  |
|                   | 8 B. A. C. 5879         | 5          | 11 22 55  | 16 32 57.79                      | 17 26 36.0                        | 34 44               | 66 2   |
|                   | 12 $d$ $\ddagger$       | 5          | 5 24 0 M.   | 19 8 49.20                       | 19 12 48.9                        | 44 18               | 71 13  |
|                   | 18 Saturn               |            | 6 56 39   | 0 21 28.91                       | 0 2 26.9                          | 3 9 N.              | 32 38 S.   |
|                   | 20 $\xi^1$ Ceti         | 5          | 4 17 1  | 2 4 59.83                        | 8 8 1.7                           | 15 39 S.            | 50 18  |
|                   | 28 A $\Omega$           | 5          | 1 23 33   | 9 59 53.60                       | 10 44 1.3                         | 37 7                | 82 5 N.  |
|                   | 29 89 $\Omega$          | 6          | 6 19 59 A.  | 11 26 39.28                      | 3 53 46.5                         | 54 58               | 90 22  |
|                   | 30 $\beta$ $\pi$        | 3.4        | 2 19 44 M.  | 42 50.89                         | 2 36 47.6                         | 51 11               | 90 18  |
| June              | 3 $\gamma$ $\triangle$  | 4.5        | 8 40 42 A.  | 15 27 7.43                       | 14 16 55.4 S.                     | 27 30 S.            | 60 N. 6 S.   |
|                   | 4 $\eta$ $\triangle$    | 4.5        | 0 56 46 M.  | 35 37.64                         | 15 11 13.4                        | 53 38               | 75 25 N.   |
|                   | 5 B. A. C. 5879         | 5          | 5 19 55   | 16 32 53.15                      | 17 26 35.8                        | 32 40               | 63 0   |
|                   | 13 $\phi$ $\pi$         | 5          | 3 17 42   | 23 6 31.04                       | 6 51 33.9                         | 15 0                | 49 20 S.   |
|                   | 14 29 $\pi$             | 5          | 2 10 9  | 54 5.86                          | 3 51 58.0                         | 71 11               | 86 45 N.   |
|                   | 16 $\gamma$ $\pi$       | 5          | 0 7 50  | 1 33 34.93                       | 4 43 15.9                         | 61 13               | 90 27  |
|                   | 17 B. A. C. 845         | 4          | 3 27 41   | 2 36 47.25                       | 9 28 20.9                         | 64 23               | 90 33  |
|                   | 24 44 $\Omega$          | 6          | 5 6 15 A.   | 10 17 17.71                      | 9 32 49.9 N.                      | 51 30               | 90 19  |
|                   | 24 $e$ $\Omega$         | 4          | 8 29 35   | 10 24 51.75                      | 10 4 47.5                         | 12 44 N.            | 23 44 S.   |
|                   | 26 $\eta$ $\pi$         | 3.4        | 11 23 49  | 12 12 11.80                      | 0 10 15.5                         | 63 47 S.            | 90 34 N.   |
| July              | 1 $\gamma$ $\triangle$  | 4.5        | 2 35 4 M.   | 15 27 7.40                       | 14 16 54.7 S.                     | 35 44 S.            | 72 N. 2 N.   |
|                   | 7 29 $\nu$              | 5          | 10 58 1 A.  | 21 7 25.30                       | 15 47 27.3                        | 60 37               | 74 34  |
|                   | 16 $\gamma$ 8           | 3.4        | 2 51 9 M.   | 4 11 12.92                       | 15 15 24.5 N.                     | 35 32               | 77 7   |
|                   | 16 $\delta^1$ 8         | 4.5        | 6 20 27   | 19 57.64                         | 15 37 14.4                        | 36 28               | 79 9   |
|                   | 16 $\delta^2$ 8         | 4.5        | 6 22 41   | 20 3.25                          | 15 31 45.9                        | 42 10               | 90 14  |
|                   | 21 A $\Omega$           | 5          | 7 8 13 A.   | 9 59 53.21                       | 10 44 3.8                         | 59 44               | 90 29  |
|                   | 24 $\gamma$ $\pi$       | 4          | 6 7 8   | 12 34 1.50                       | 0 37 17.3 S.                      | 10 41               | 46 24 S.   |
|                   | 28 $\gamma$ $\triangle$ | 4.5        | 9 11 56 M.  | 15 27 7.14                       | 14 16 53.7                        | 45 11               | 76 13 N.   |
|                   | 29 B. A. C. 5579        | 5          | 5 55 8 A.   | 16 32 53.11                      | 17 26 35.0                        | 44 51               | 73 13  |
| Aug.              | 1 $d$ $\ddagger$        | 5          | 8 53 49 A.  | 19 8 50.56                       | 19 12 45.4 S.                     | 32 38 S.            | 58 N. 0 N.   |
|                   | 4 29 $\nu$              | 5          | 5 7 41 M.   | 21 7 25.73                       | 15 47 25.7                        | 58 32               | 74 30  |
|                   | 21 $\gamma$ $\pi$       | 4          | 3 16 37   | 12 34 1.25                       | 0 37 16.1                         | 15 0                | 50 20 S.   |
|                   | 24 $\gamma$ $\triangle$ | 4.5        | 4 53 7 A.   | 15 27 6.74                       | 14 16 52.6                        | 49 34               | 76 18 N.   |
|                   | 25 $\phi$ Ophi.         | 4.5        | 8 18 41   | 16 22 32.14                      | 16 16 37.6                        | 3 30                | 28 31 S.   |
| Sept.             | 2 $h^1$ $\pi$           | 6          | 4 54 27 A.  | 22 57 20.18                      | 8 30 4.8 S.                       | 51 53 S.            | 81 N. 18 N.  |
|                   | 2 $\phi$ $\pi$          | 5          | 9 18 8  | 23 6 32.86                       | 6 51 23.3                         | 3 38 N.             | 30 38 S.   |
|                   | 3 27 $\pi$              | 5          | 6 27 47   | 50 59.22                         | 4 23 19.2                         | 66 20 S.            | 86 37 N.   |
|                   | 3 29 $\pi$              | 5          | 7 57 20   | 54 7.86                          | 3 51 45.9                         | 50 40               | 86 15  |
|                   | 5 $\nu$ $\pi$           | 5          | 6 29 46   | 1 33 37.19                       | 4 43 29.3 N.                      | 40 14               | 87 4   |
|                   | 6 B. A. C. 845          | 4          | 10 58 53  | 2 36 49.60                       | 9 28 33.2                         | 45 22               | 90 12  |
|                   | 8 $\alpha$ 8            | 1          | 10 12 21  | 4 27 17.72                       | 16 12 2.9                         | 13 41               | 49 12 S.   |
|                   | 8 $\alpha^2$ 8          | 5.6        | 11 36 15  | 30 40.64                         | 15 36 48.6                        | 56 57               | 90 32 N.   |
|                   | 12 $f$ $\Pi$            | 6          | 0 6 57 M.   | 7 30 46.31                       | 18 0 39.5                         | 16 19               | 52 5 S.  |
|                   | 27 29 $\nu$             | 5          | 9 8 17 A.   | 21 7 25.61                       | 15 47 26.6                        | 56 23               | 74 27 N.   |
| Oct.              | 1 27 $\pi$              | 5          | 2 46 38 M.  | 23 50 59.39                      | 4 23 18.6 S.                      | 66 49 S.            | 86 N. 36 N.  |
|                   | 1 29 $\pi$              | 5          | 4 14 58   | 54 8.04                          | 3 51 45.3                         | 51 14               | 86 16  |
|                   | 3 $\nu$ $\pi$           | 5          | 1 54 17   | 1 33 37.61                       | 4 43 31.1                         | 43 37               | 90 7   |
|                   | 4 B. A. C. 845          | 4          | 5 42 32   | 2 36 50.15                       | 9 28 35.3 N.                      | 50 23               | 90 17  |



| Day of the Month. | Star's Name.        | Magnitude. | Washington Observatory, Mean time of ap. conj. in R. A. of Moon and Star. | At the time of Conjunction.      |                               |                     | Limiting Parallels between which the Occult. is visible. |
|-------------------|---------------------|------------|---|----------------------------------|-------------------------------|---------------------|--|
|                   |                     |            |   | Apparent R. A. of Moon and Star. | Apparent Declination of Star. | Star South of Moon. |  |
| Oct.              | 5 48 γ              | 6          | h. m. s. 7 44 29 A.   | h. m. s. 4 7 15.20               | ° ′ ″ 15 1 8.1 N.             | 39 22 S.            | 86°N. 11°N.  |
|                   | 5 γ                 | 3.4        | 9 23 0  | 4 11 15.27                       | 15 15 31.9                    | 35 59               | 79 8   |
|                   | 6 71 γ              | 5.6        | 0 3 37 M.   | 17 47.63                         | 15 16 13.6                    | 52 39               | 90 26  |
|                   | 6 δ <sup>1</sup> γ  | 4.5        | 0 57 41   | 19 59.98                         | 15 37 21.5                    | 37 12               | 81 10  |
|                   | 6 δ <sup>2</sup> γ  | 4.5        | 0 59 59   | 20 5.60                          | 15 31 53.0                    | 42 55               | 90 15  |
|                   | 6 α γ               | 1          | 3 56 30   | 27 18.47                         | 16 12 4.4                     | 20 39               | 57 5 S.  |
|                   | 6 111 γ             | 6          | 11 28 11 A.   | 5 15 39.55                       | 17 14 17.5                    | 52 50               | 90 30 N.   |
|                   | 7 115 γ             | 5.6        | 0 34 16 M.  | 18 24.33                         | 17 49 35.2                    | 21 32               | 58 1 S.  |
|                   | 12 Jupiter          |            | 11 52 8 A.  | 10 59 35.86                      | 7 30 16.9                     | 0 36                | 36 33  |
|                   | 13 Venus            |            | 6 10 25 M.  | 11 13 9.65                       | 6 23 29.3                     | 2 40                | 37 31  |
|                   | 22 δ γ              | 5          | 8 39 15 A.  | 19 8 49.47                       | 19 12 47.3 S.                 | 19 17               | 39 15  |
|                   | 26 σ γ              | 5          | 6 17 45   | 22 22 41.55                      | 11 26 37.4                    | 63 34               | 79 35 N.   |
|                   | 28 Saturn           |            | 10 38 34  | 0 12 36.71                       | 1 29 17.0                     | 1 13 N.             | 34 36 S.   |
| Nov.              | 2 γ γ               | 3.4        | 5 24 40 M.  | 4 11 15.85                       | 15 15 32.5 N.                 | 44 12 S.            | 90°N. 15°N.  |
|                   | 5 3 γ               | 6          | 7 56 39 A.  | 7 52 10.40                       | 17 42 52.3                    | 24 31               | 62 1   |
|                   | 11 γ γ              | 4          | 3 0 20 M.   | 12 34 1.68                       | 0 37 20.3                     | 19 55               | 57 16 S.   |
|                   | 24 27 γ             | 5          | 10 5 44 A.  | 23 50 59.06                      | 4 23 21.6 S.                  | 47 20               | 86 11 N.   |
|                   | 24 29 γ             | 5          | 11 36 51  | 54 7.72                          | 3 51 48.1                     | 32 2                | 72 4 S.  |
|                   | 26 γ γ              | 5          | 10 4 33   | 1 33 37.75                       | 4 43 30.1 N.                  | 35 25               | 77 1   |
|                   | 28 B. A. C. 845     | 4          | 1 37 23 M.  | 2 36 50.64                       | 9 28 35.3                     | 50 8                | 90 15 N.   |
|                   | 28 f γ              | 5.6        | 8 33 53 A.  | 3 22 36.34                       | 12 25 3.2                     | 58 37               | 90 27  |
|                   | 29 75 γ             | 6          | 7 15 23   | 4 19 52.60                       | 16 1 3.4                      | 24 59               | 62 3 S.  |
|                   | 29 δ <sup>1</sup> γ | 4.5        | 7 18 39   | 20 1.00                          | 15 37 21.7                    | 49 3                | 90 20 N.   |
|                   | 29 δ <sup>2</sup> γ | 4.5        | 7 20 49   | 6.62                             | 15 31 53.2                    | 54 47               | 90 26  |
|                   | 29 B. A. C. 1391    | 5.6        | 8 4 29  | 21 59.23                         | 15 51 39.6                    | 39 57               | 85 11  |
|                   | 29 α γ              | 1          | 10 8 23   | 27 19.53                         | 16 12 4.6                     | 33 16               | 73 5   |
|                   | 30 115 γ            | 5.6        | 5 37 2  | 5 18 25.62                       | 17 49 34.5                    | 39 7                | 84 14  |
| Dec.              | 2 f □               | 6          | 7 27 42 A.  | 7 30 48.74                       | 18 0 33.3 N.                  | 50 44 S.            | 90°N. 28°N.  |
|                   | 4 δ <sup>1</sup> γ  | 6          | 2 11 7 M.   | 8 48 52.33                       | 15 53 37.6                    | 24 59               | 62 3 S.  |
|                   | 7 Jupiter           |            | 1 30 54 M.  | 11 30 45.60                      | 4 25 7.4                      | 61 0                | 90 28 N.   |
|                   | 10 94 γ             | 6          | 2 35 36   | 13 58 19.92                      | 8 10 8.1 S.                   | 53 35               | 82 21  |
|                   | 11 ξ <sup>1</sup> γ | 6          | 2 42 9  | 14 46 12.76                      | 11 16 47.0                    | 20 53               | 54 14 S.   |
|                   | 12 η γ              | 4.5        | 3 19 53   | 15 35 36.66                      | 15 11 11.7                    | 62 49               | 75 38 N.   |
|                   | 17 ε γ              | 5          | 8 52 42 A.  | 20 20 15.81                      | 18 18 18.7                    | 43 16               | 72 11  |
|                   | 18 29 γ             | 5          | 8 2 11  | 21 7 24.50                       | 15 47 31.0                    | 14 43               | 42 20 S.   |
|                   | 23 33 Ceti          | 6          | 5 6 39  | 1 2 50.36                        | 1 38 40.5 N.                  | 47 10               | 90 11 N.   |
|                   | 27 γ γ              | 3.4        | 3 13 52 M.  | 4 11 16.35                       | 15 15 31.6                    | 41 56               | 90 12  |

*Position and Magnitude of the Rings of Saturn, according to Bessel and Struve, for every fortieth day in the year, at 7 hours in the morning.*

| Mean Time at Washington. |    | <i>a.</i>            | <i>b.</i>         | <i>p.</i> | <i>l.</i> | <i>l'.</i> |
|--------------------------|----|----------------------|-------------------|-----------|-----------|------------|
| 7h. M.                   |    |                      |                   |           |           |            |
| 1849, January            | 1  | 38 <sup>00</sup> .02 | + 0 <sup>49</sup> | + 4 56.4  | + 0 44.1  | - 1 47.3   |
|                          | 11 | 37.45                | 0.23              | 52.6      | 21.4      | 56.2       |
|                          | 21 | 36.95                | - 0.05            | 48.2      | - 0 4.7   | 2 5.3      |
|                          | 31 | 36.53                | 0.36              | 43.1      | 33.6      | 14.3       |
| February                 | 10 | 36.18                | 0.68              | 37.5      | 1 4.8     | 23.3       |
| March                    | 22 | 35.63                | 2.08              | 11.6      | 3 20.5    | 59.3       |
| May                      | 1  | 36.43                | 3.46              | 3 45.0    | 5 27.4    | 3 35.4     |
| June                     | 10 | 38.44                | 4.63              | 24.2      | 6 54.9    | 4 11.5     |
| July                     | 20 | 41.19                | 5.25              | 16.0      | 7 19.6    | 47.6       |
| August                   | 29 | 43.61                | 5.01              | 23.4      | 6 35.6    | 5 23.5     |
| October                  | 8  | 44.18                | 4.01              | 40.6      | 5 12.8    | 59.5       |
| November                 | 17 | 42.44                | 3.15              | 53.9      | 4 15.0    | 6 35.4     |
| December                 | 27 | 39.64                | 3.10              | 53.1      | 29.5      | 7 11.2     |
|                          | 31 | 39.36                | 3.15              | 52.1      | 35.3      | 14.7       |

*a* denotes the outer semi-transverse axis of the outer ring.

*b* “ “ outer semi-conjugate axis of the outer ring, positive when the northern surface is visible, negative when the southern.

*p* “ “ inclination of the northern semi-conjugate axes of the rings to the circle of declination; + when East, — when West.

*l* “ “ angle of elevation of the Earth above the plane of the rings, as seen from Saturn; + when North, — when South.

*l'* “ “ angle of elevation of the Sun above the plane of the rings, as seen from Saturn; + when North, — when South.

The inner semi-transverse axis of the inner ring is *two thirds* of *a* diminished by 0<sup>00</sup>.07. The inner semi-conjugate axis of the inner ring is *two thirds* of *b*.

The Opposition will take place on the 27th of September.

# LATITUDE AND LONGITUDE OF THE PRINCIPAL PLACES IN THE UNITED STATES, ETC.,

WITH THEIR DISTANCES FROM WASHINGTON.

[The Longitudes are reckoned from Greenwich.]

*The Capitals (Seats of Government) of the States and Territories are designated by Italic Letters.*

| Place.                                  |       | Latitude,<br>North. | Longitude, West,<br>in degrees. in time. |           | Dist. fr.<br>Wash. |
|---|-------|---------------------|--|-----------|--------------------|
|   |       |                     | h. m. s.                                 |           | miles.             |
| <i>Albany</i> (Capitol), . . . . .      | N. Y. | 42 39 3             | 73 44 49                                 | 4 54 59.3 | 376                |
| Alexandria, . . . . .                   | D. C. | 38 49               | 77 4                                     | 5 8 16    | 6                  |
| Amherst (College Chapel), . . . . .     | Mass. | 42 22 15.6          | 72 31 28                                 | 4 50 6    | 383                |
| <i>Annapolis</i> , . . . . .            | Md.   | 38 58 35            | 76 33                                    | 5 6 12    | 37                 |
| Auburn, . . . . .                       | N. Y. | 42 55               | 76 28                                    | 5 5 52    | 339                |
| Augusta, . . . . .                      | Ga.   | 33 28               | 81 54                                    | 5 27 36   | 580                |
| <i>Augusta</i> (State-House), . . . . . | Me.   | 44 18 43            | 69 50                                    | 4 39 20   | 595                |
| Baker's Island (Lights), . . . . .      | Mass. | 42 32 12            | 70 47 28                                 | 4 43 10   | 452                |
| Baltimore (Battle Mon't), . . . . .     | Md.   | 39 17 23            | 76 37 30                                 | 5 6 30    | 38                 |
| Bangor (Court-House), . . . . .         | Me.   | 44 47 50            | 68 47                                    | 4 35 8    | 661                |
| Barnstable (New C. H.), . . . . .       | Mass. | 41 42 6             | 70 18 34                                 | 4 41 14.3 | 466                |
| Batavia, . . . . .                      | N. Y. | 42 59               | 78 13                                    | 5 12 52   | 370                |
| Beaufort (Arsenal), . . . . .           | S. C. | 32 25 57            | 80 41 23                                 | 5 22 45.6 | 629                |
| <i>Boston</i> (State-House), . . . . .  | Mass. | 42 21 22.7          | 71 4 9                                   | 4 44 16.6 | 432                |
| Do. (Light), . . . . .                  |       | 42 19 41.1          | 70 53 43                                 | 4 43 33.9 |                    |
| Bridgeport (Baptist Ch.), . . . . .     | Conn. | 41 10 30            | 73 11 46                                 | 4 52 47   | 284                |
| Bristol (Episcopal Ch.), . . . . .      | R. I. | 41 40 3             | 71 17 19                                 | 4 45 9.3  | 409                |
| Brooklyn (Navy Yard), . . . . .         | N. Y. | 40 41 50            | 73 59 30                                 | 4 55 58   | 227                |
| Brunswick (College), . . . . .          | Me.   | 43 53 0             | 69 55 14                                 | 4 39 40.1 | 568                |
| Buffalo, . . . . .                      | N. Y. | 42 53               | 78 55                                    | 5 15 40   | 376                |
| Burlington, . . . . .                   | N. J. | 40 5 10             | 74 52 37                                 | 4 59 30.5 | 156                |
| Burlington, . . . . .                   | Vt.   | 44 27               | 73 10                                    | 4 52 40   | 440                |
| Cambridge (Observatory), . . . . .      | Mass. | 42 22 48.6          | 71 8 0                                   | 4 44 32   | 431                |
| Camden, . . . . .                       | S. C. | 34 17               | 80 33                                    | 5 22 12   | 467                |
| Canandaigua, . . . . .                  | N. Y. | 42 54               | 77 17                                    | 5 9 8     | 336                |
| Cape Ann (North Light), . . . . .       | Mass. | 42 38 21            | 70 34 48                                 | 4 42 19.2 | 470                |
| Do. (South Light), . . . . .            |       | 42 38 13            | 70 34 48                                 | 4 42 19.2 |                    |
| Cape Cod (Light-House), . . . . .       | Mass. | 42 2 23             | 70 3 55                                  | 4 40 16   | 507                |
| Castine, . . . . .                      | Me.   | 44 22 30            | 68 45                                    | 4 35      |                    |
| Charleston (St. Mich.'s Ch.), . . . . . | S. C. | 32 46 33            | 79 57 27                                 | 5 19 49.8 | 544                |
| Charlestown (Navy Yard), . . . . .      | Mass. | 42 22               | 71 3 33                                  | 4 44 14.2 | 433                |
| Chicago, . . . . .                      | Ill.  | 42 0                | 87 35                                    | 5 50 2    | 763                |
| Cincinnati (Fort Wash'n), . . . . .     | Ohio. | 39 5 54             | 84 27                                    | 5 37 48   | 497                |
| <i>Columbia</i> , . . . . .             | S. C. | 33 57               | 81 7                                     | 5 24 28   | 500                |
| <i>Columbus</i> , . . . . .             | Ohio. | 39 57               | 83 3                                     | 5 32 12   | 396                |
| <i>Concord</i> (State-House), . . . . . | N. H. | 43 12 29            | 71 29                                    | 4 45 56   | 474                |
| Dayton, . . . . .                       | Ohio. | 39 44               | 84 11                                    | 5 36 44   |                    |
| Dedham (1st Cong. Ch.), . . . . .       | Mass. | 42 14 57            | 71 10 59                                 | 4 44 44   | 422                |
| Detroit, . . . . .                      | Mich. | 42 24               | 82 58                                    | 5 31 52   | 526                |
| Dorchester (Ast. Observ.), . . . . .    | Mass. | 42 19 10            | 71 4 19                                  | 4 44 17.3 | 432                |

| Place.                                   |       | Latitude,<br>North. | Longitude, West, |           | Dist. fr.<br>Wash. |
|--|-------|---------------------|------------------|-----------|--------------------|
|  |       |                     | in degrees.      | in time.  |                    |
|  |       | ° ' "               | ° ' "            | h. m. s.  | miles.             |
| <i>Dover</i> , . . . . .                 | Del.  | 39 10 "             | 75 30 "          | 5 2 0     | 114                |
| <i>Dover</i> , . . . . .                 | N. H. | 43 13               | 70 54            | 4 43 36   | 490                |
| <i>Easton (Court-House)</i> , . . . .    | Md.   | 38 46 10            | 76 8             | 5 4 32    | 80                 |
| <i>Eastport</i> , . . . . .              | Me.   | 44 54               | 66 56            | 4 27 44   | 778                |
| <i>Edenton</i> , . . . . .               | N. C. | 39 0                | 77 7             | 5 28 28   | 284                |
| <i>Exeter</i> , . . . . .                | N. H. | 42 58               | 70 55            | 4 43 40   | 474                |
| <i>Frankfort</i> , . . . . .             | Ky.   | 38 14               | 84 40            | 5 38 40   | 551                |
| <i>Frederick</i> , . . . . .             | Md.   | 39 24               | 77 18            | 5 9 12    | 43                 |
| <i>Fredericksburg</i> , . . . . .        | Va.   | 38 34               | 77 38            | 5 10 32   | 56                 |
| <i>Frederickton</i> , . . . . .          | N. B. | 46 3                | 66 45            | 4 27 0    |                    |
| <i>Georgetown</i> , . . . . .            | S. C. | 33 21               | 79 17            | 5 17 8    | 482                |
| <i>Gloucester (Univ. Ch.)</i> , . . . .  | Mass. | 42 36 44            | 70 40 19         | 4 42 41.3 | 462                |
| Do. (E. Point Light), . . . .            |       | 42 34 49.6          | 70 40 11         | 4 42 40.8 | 466                |
| Do. (Ten Pound Isl. Lt.) . . . .         |       | 42 36 4             | 70 40 17         | 4 42 41.1 | 463                |
| <i>Greenfield (2d Cong. Ch.)</i> , . . . | Mass. | 42 35 16            | 72 36 32         | 4 50 26.1 | 396                |
| <i>Hagerstown</i> , . . . . .            | Md.   | 39 37               | 77 35            | 5 10 20   | 68                 |
| <i>Halifax</i> , . . . . .               | N. S. | 44 39 20            | 63 36 40         | 4 14 26.7 | 936                |
| <i>Hallowell</i> , . . . . .             | Me.   | 44 17               | 69 50            | 4 39 30   | 593                |
| <i>Harrisburg</i> , . . . . .            | Pa.   | 40 16               | 76 50            | 5 7 20    | 110                |
| <i>Hartford (State-House)</i> , . . . .  | Conn. | 41 45 59            | 72 40 45         | 4 50 43   | 335                |
| <i>Holmes's Hole (Windmill)</i> , . . .  | Mass. | 41 27 15            | 70 36 38         | 4 42 26.5 | 457                |
| <i>Hudson</i> , . . . . .                | N. Y. | 42 14               | 73 46            | 4 55 4    | 345                |
| <i>Hudson (Reserve Coll.)</i> , . . . .  | Ohio. | 41 14 42            | 81 24 54         | 5 25 39.6 |                    |
| <i>Huntsville</i> , . . . . .            | Ala.  | 34 36               | 86 57            | 5 47 48   | 726                |
| <i>Indianapolis</i> , . . . . .          | Ind.  | 39 55               | 86 5             | 5 44 20   | 573                |
| <i>Ipswich (Eastern Light)</i> , . . . . | Mass. | 42 41 8             | 70 46 17         | 4 43 5    | 462                |
| Do. (Western Light), . . . . .           |       | 42 41 8             | 70 46 34         | 4 43 6.3  |                    |
| <i>Jackson</i> , . . . . .               | Miss. | 32 23               | 90 8             | 6 0 32    | 1035               |
| <i>Jefferson</i> , . . . . .             | Mo.   | 38 36               | 92 8             | 6 8 32    | 980                |
| <i>Key West (S. W. Pt.)</i> , . . . .    | Fa.   | 24 32               | 81 47 30         | 5 27 10   |                    |
| <i>Kingston</i> , . . . . .              | C. W. | 44 8                | 76 40            | 5 6 40    | 456                |
| <i>Knoxville</i> , . . . . .             | Tenn. | 35 59               | 83 54            | 5 35 36   | 516                |
| <i>Lancaster</i> , . . . . .             | Pa.   | 40 2 36             | 76 20 33         | 5 5 22.2  | 109                |
| <i>Lexington</i> , . . . . .             | Ky.   | 38 6                | 84 18            | 5 37 12   | 534                |
| <i>Little Rock</i> , . . . . .           | Ark.  | 34 40               | 92 12            | 6 8 48    | 1068               |
| <i>Lockport</i> , . . . . .              | N. Y. | 43 11               | 78 46            | 5 15 4    | 403                |
| <i>Louisville</i> , . . . . .            | Ky.   | 38 3                | 85 30            | 5 42 0    | 590                |
| <i>Lowell (St. Ann's Ch.)</i> , . . . .  | Mass. | 42 38 46            | 71 19            | 24 45 16  | 439                |
| <i>Lynchburg</i> , . . . . .             | Va.   | 37 36               | 79 22            | 5 17 28   | 198                |
| <i>Lynn Church</i> , . . . . .           | Mass. | 42 27 51            | 70 57 25         | 4 43 50   | 441                |
| <i>Machias Bay</i> , . . . . .           | Me.   | 44 33               | 67 22            | 4 29 28   |                    |
| <i>Marblehead</i> , . . . . .            | Mass. | 42 30 24            | 70 51 24         | 4 43 25.6 | 450                |
| <i>Marblehead (Light)</i> , . . . . .    | Mass. | 42 30 14            | 70 50 39         | 4 43 22.6 | 448                |
| <i>Middletown (W. Univ.)</i> , . . . .   | Conn. | 41 33 8             | 72 39            | 4 50 36   | 325                |
| <i>Milledgeville</i> , . . . . .         | Ga.   | 33 7 20             | 83 19 45         | 5 33 19.0 | 642                |
| <i>Mobile</i> , . . . . .                | Ala.  | 30 41 48            | 87 59            | 5 51 56   | 1033               |
| <i>Monomoy Point Light</i> , . . . . .   | Mass. | 41 33 35            | 69 59 56         | 4 40 0    | 500                |
| <i>Montpelier</i> , . . . . .            | Vt.   | 44 17               | 72 36            | 4 50 24   | 524                |
| <i>Montreal</i> , . . . . .              | C. E. | 45 31               | 73 35            | 4 54 20   | 601                |
| <i>Nantucket (South Tower)</i> , . . .   | Mass. | 41 16 56            | 70 6 12          | 4 40 24.8 | 490                |
| <i>Nashville (University)</i> , . . . .  | Tenn. | 36 9 33             | 86 49 35         | 47 16.2   | 714                |

| Place.                       |       | Latitude,<br>North. | Longitude, West, |             |          | Dist. fr.<br>Wash. |
|------------------------------|-------|---------------------|------------------|-------------|----------|--------------------|
|                              |       |                     | indegrees.       |             | in time. |                    |
|                              |       | ° ' "               | ° ' "            | h. m. s.    |          | miles.             |
| Natchez (Fort Panmure),      | Miss. | 31 34               | 91 24 42         | 6 5 38.8    |          | 1146               |
| Newark,                      | N. J. | 40 45               | 74 10            | 4 56 40     |          | 215                |
| New Bedford (Mariner's Ch.), | Mass. | 41 38 7             | 70 55 49         | 4 43 43.3   |          | 429                |
| Newbern,                     | N. C. | 35 20               | 77 5             | 5 8 20      |          | 337                |
| Newburg,                     | N. Y. | 41 31               | 74 1             | 4 56 4      |          | 282                |
| Newburyport (2d Presb. Ch.), | Mass. | 42 48 32            | 70 52 47         | 4 43 31.1   |          | 466                |
| Do. (Lights),                |       | 42 48 30            | 70 49            | 6 4 42 18.0 |          | 469                |
| Newcastle,                   | Del.  | 39 40               | 75 33            | 5 2 8       |          | 103                |
| New Haven (College),         | Conn. | 41 18 30            | 72 56 45         | 4 51 47     |          | 301                |
| New London,                  | Conn. | 41 22               | 72 9             | 4 48 36     |          | 354                |
| New Orleans (City Hall),     | La.   | 29 57 30            | 90               | 6 0         |          | 1203               |
| Newport (Court House),       | R. I. | 41 29               | 71 19 12         | 4 45 16.8   |          | 403                |
| New York (City Hall),        | N. Y. | 40 42 40            | 74 1             | 84 56 4.5   |          | 226                |
| Nobsque Point Light,         | Mass. | 41 30 57            | 70 39 37         | 4 42 38.5   |          | 450                |
| Norfolk (Farmers' Bank),     | Va.   | 36 50 50            | 76 18 47         | 5 15.1      |          | 217                |
| Northampton (1st Cong. Ch.), | Mass. | 42 19 9             | 72 38 15         | 4 50 33.2   |          | 376                |
| Norwich,                     | Conn. | 41 33               | 72 7             | 4 48 28     |          | 362                |
| Pensacola,                   | Fa.   | 30 24               | 87 10 12         | 5 48 40.8   |          | 1050               |
| Petersburg,                  | Va.   | 37 13 54            | 77 20            | 5 9 20      |          | 144                |
| Philadelphia (Ind'ce Hall),  | Pa.   | 39 56 59            | 75 9 54          | 5 0 39.6    |          | 136                |
| Do. (High School Obs.),      |       | 39 57 9             | 75 10 37         | 5 0 42.5    |          |                    |
| Pittsburg,                   | Pa.   | 40 32               | 80 2             | 5 20 8      |          | 223                |
| Pittsfield (1st Cong. Ch.),  | Mass. | 42 26 55            | 73 15 36         | 4 53 2.3    |          | 380                |
| Plattsburg,                  | N. Y. | 44 42               | 73 26            | 4 53 44     |          | 539                |
| Plymouth (Court-House),      | Mass. | 41 57 26            | 70 40 19         | 4 42 41 3   |          | 439                |
| Portland (Mount Joy),        | Me.   | 43 39 52            | 70 13 34         | 4 40 54 2   |          | 542                |
| Do. (Light),                 |       | 43 36               | 70 12 12         | 4 40 49     |          |                    |
| Portsmouth (Unit'n Ch.),     | N. H. | 43 4 35             | 70 45 50         | 4 43 3.3    |          | 491                |
| Do. (Light),                 |       | 43 3 30             | 70 43            | 4 42 52     |          |                    |
| Poughkeepsie,                | N. Y. | 41 41               | 73 55            | 4 55 40     |          | 301                |
| Princeton (Nassau Hall),     | N. J. | 40 20 41            | 74 39 30         | 4 58 38     |          | 177                |
| Providence (Univ'y Hall),    | R. I. | 41 49 22            | 71 24 48         | 4 45 39.2   |          | 394                |
| Quebec (Citadel),            | C. E. | 46 49 12            | 71 16            | 4 45 4      |          | 781                |
| Raleigh,                     | N. C. | 35 47               | 78 48            | 5 15 12     |          | 286                |
| Richmond (Capitol),          | Va.   | 37 32 17            | 77 27 28         | 5 9 49.9    |          | 122                |
| Rochester (R'r House),       | N. Y. | 43 8 17             | 77 51            | 5 11 24     |          | 361                |
| Sable (Cape),                | Fa.   | 24 50               | 81 15            | 5 25 0      |          |                    |
| Sackett's Harbour,           | N. Y. | 43 55               | 75 57            | 5 3 48      |          | 407                |
| Saco,                        | Me.   | 43 31               | 70 26            | 4 41 44     |          | 528                |
| St. Augustine,               | Fa.   | 29 48 30            | 81 35            | 5 26 20     |          | 841                |
| St. Louis,                   | Mo.   | 38 37 28            | 90 15 16         | 6 1 0.7     |          | 856                |
| Salem (E. I. M. Hall),       | Mass. | 42 31 18            | 70 53 53         | 4 43 35.5   |          | 446                |
| Sandwich (1st Cong. Ch.),    | Mass. | 41 45 31            | 70 30 13         | 4 42 0.8    |          | 456                |
| Savannah (Exchange),         | Ga.   | 32 4 56             | 81 8 18          | 5 24 33.2   |          | 662                |
| Schenectady,                 | N. Y. | 42 48               | 73 55            | 4 55 40     |          | 391                |
| Springfield,                 | Ill.  | 39 48               | 89 33            | 5 58 12     |          | 801                |
| Springfield (Court-House),   | Mass. | 42 6 4              | 72 35 45         | 4 50 23     |          | 357                |
| Squam Harbour (Light),       | Mass. | 42 39 46            | 70 41            | 84 42 44.5  |          | 466                |
| Straitsmouth Island (Light), | Mass. | 42 39 41            | 70 35 36         | 4 42 22.4   |          | 471                |
| Stratford,                   | Conn. | 41 11 7             | 73 8 45          | 4 52 35     |          | 287                |
| Tallahassee,                 | Fa.   | 30 28               | 84 36            | 5 38 24     |          | 896                |

| Place.                          |       | Latitude,<br>North. | Longitude, West,<br>in degrees. in time. |                         | Dist. fr.<br>Wash.    |
|---------------------------------|-------|---------------------|--|-------------------------|-----------------------|
|                                 |       |                     |  | <small>h. m. s.</small> | <small>miles.</small> |
| Taunton (Trin. Cong. Ch.),      | Mass. | 41° 54' 11"         | 71° 55' 44"                              | 4 23 6                  | 415                   |
| Toronto or York (Observ.),      | C. W. | 43 39 35            | 79 21 30                                 | 5 17 26                 | 500                   |
| Trenton, . . . . .              | N. J. | 40 14               | 74 46 30                                 | 4 58 36                 | 166                   |
| Troy, . . . . .                 | N. Y. | 42 44               | 73 40                                    | 4 54 40                 | 383                   |
| Tuscaloosa, . . . . .           | Ala.  | 33 12               | 87 42                                    | 5 50 48                 | 858                   |
| University of Virginia, . . . . | Va.   | 38 2 3              | 78 31 29                                 | 5 14 5.9                | 124                   |
| Utica (Dutch Church), . . . .   | N. Y. | 43 6 49             | 75 13                                    | 5 0 52                  | 383                   |
| Vandalia, . . . . .             | Ill.  | 38 50               | 89 2                                     | 5 56 8                  | 781                   |
| Vevay, . . . . .                | Ind.  | 38 46               | 84 59                                    | 5 39 56                 | 556                   |
| Vincennes, . . . . .            | Ind.  | 38 43               | 87 25                                    | 5 49 40                 | 693                   |
| WASHINGTON (Capitol), . . . .   | D. C. | 38 53 34            | 77 1 30                                  | 5 8 6                   |                       |
| Washington, . . . . .           | Miss. | 31 36               | 91 20                                    | 6 5 20                  | 1146                  |
| Wheeling, . . . . .             | Va.   | 40 7                | 80 42                                    | 5 22 48                 | 264                   |
| Williamstown (Cong. Ch.),       | Mass. | 42 42 49            | 73 13 10                                 | 4 52 52.6               | 406                   |
| Wilmington, . . . . .           | Del.  | 39 41               | 75 28                                    | 5 1 52                  | 108                   |
| Wilmington, . . . . .           | N. C. | 34 11               | 78 10                                    | 5 12 40                 | 416                   |
| Worcester (Ant. Hall), . . . .  | Mass. | 42 16 17            | 71 48 13                                 | 4 47 13.3               | 394                   |
| York, . . . . .                 | Me.   | 43 10 0             | 70 40                                    | 4 42 40                 | 500                   |
| York, . . . . .                 | Pa.   | 39 58               | 76 40                                    | 5 6 40                  | 87                    |
| Yorktown, . . . . .             | Va.   | 37 13               | 76 34                                    | 5 6 16                  |                       |

## LATITUDE AND LONGITUDE OF THE PRINCIPAL FOREIGN OBSERVATORIES.

[The Longitudes are from Greenwich.]

| Observatories.             | Latitude.      | Longitude in time.      |
|----------------------------|----------------|-------------------------|
|                            |                | <small>h. m. s.</small> |
| Altona, . . . . .          | 53° 32' 45" N. | 0 39 46.6 E.            |
| Armagh, . . . . .          | 54 21 12.7 N.  | 0 26 35.5 W.            |
| Berlin, . . . . .          | 52 31 13.5 N.  | 0 53 35.5 E.            |
| Brussels, . . . . .        | 50 51 10.7 N.  | 0 17 29.0 E.            |
| Cambridge, . . . . .       | 52 12 51.8 N.  | 0 0 23.5 E.             |
| Cape of Good Hope, . . . . | 33 56 3 S.     | 1 13 55.0 E.            |
| Dorpat, . . . . .          | 58 22 47 N.    | 1 46 55 E.              |
| Dublin, . . . . .          | 53 23 13 N.    | 0 25 22 W.              |
| Edinburgh, . . . . .       | 55 57 23.2 N.  | 0 12 43.6 W.            |
| Göttingen, . . . . .       | 51 31 48 N.    | 0 39 46.5 E.            |
| Greenwich, . . . . .       | 51 28 39.0 N.  | 0 0 0.0                 |
| Königsberg, . . . . .      | 54 42 50 N.    | 1 22 0.5 E.             |
| Munich, . . . . .          | 48 8 45 N.     | 0 46 26.5 E.            |
| Paris, . . . . .           | 48 50 13 N.    | 0 9 21.5 E.             |
| Petersburg, . . . . .      | 59 56 31 N.    | 2 1 15.8 E.             |
| Rome, . . . . .            | 41 53 52 N.    | 0 49 54.7 E.            |
| Turin, . . . . .           | 45 4 6 N.      | 0 30 48.4 E.            |
| Vienna, . . . . .          | 48 12 35 N.    | 1 5 31.9 E.             |

*At Apparent Noon at Greenwich.*

| JANUARY. |                    |   |   | FEBRUARY. |                    |   |  |
|----------|--------------------|---|---|-----------|--------------------|---|--|
| D.       | Semi-diam.         | S. D. culm.                               |   | D.        | Semi-diam.         | S. D. culm.                               |  |
|          | ' "                | m. s.                                     |   |           | ' "                | m. s.                                     |  |
| 1        | 16 17.3            | 1 10.99                                   | Obliquity of the Ecliptic.<br>1st, 23° 27' and 22.87"; 11th, 22.56"; 21st, 23.16";<br>31st, 23.34".<br>Horizontal Parallax.<br>1st, 8.72"; 11th, 8.72"; 21st, 8.71"; 31st, 8.70". | 2         | 16 14.7            | 1 8.06                                    | Obliquity of the Ecliptic.<br>10th, 23° 27' and 23.55"; 20th, 23.73".<br>Horizontal Parallax.<br>10th, 8.69"; 20th, 8.67". |
| 3        | 17.3               | 10.89                                     |   | 4         | 14.4               | 7.82                                      |  |
| 5        | 17.3               | 10.78                                     |   | 6         | 14.0               | 7.59                                      |  |
| 7        | 17.2               | 10.65                                     |   | 8         | 13.7               | 7.36                                      |  |
| 9        | 17.1               | 10.51                                     |   | 10        | 13.3               | 7.14                                      |  |
| 11       | 17.0               | 10.35                                     |   | 12        | 12.9               | 6.92                                      |  |
| 13       | 16.9               | 10.18                                     |   | 14        | 12.5               | 6.71                                      |  |
| 15       | 16.8               | 10.00                                     |   | 16        | 12.1               | 6.50                                      |  |
| 17       | 16.6               | 9.81                                      |   | 18        | 11.6               | 6.30                                      |  |
| 19       | 16.4               | 9.61                                      |   | 20        | 11.2               | 6.10                                      |  |
| 21       | 16.2               | 9.40                                      |   | 22        | 10.7               | 5.91                                      |  |
| 23       | 16.0               | 9.18                                      |   | 24        | 10.3               | 5.73                                      |  |
| 25       | 15.7               | 8.96                                      |   | 26        | 9.8                | 5.57                                      |  |
| 27       | 15.5               | 8.74                                      |   | 28        | 9.4                | 5.42                                      |  |
| 29       | 15.3               | 8.51                                      |   | 30        | 8.9                | 5.27                                      |  |
| 31       | 15.0               | 8.28                                      |   |           |                    |   |  |
| D.       | Declination South. | Equa. of Time to be added to Appar. Time. | Sidereal Time at mean noon.   | D.        | Declination South. | Equa. of Time to be added to Appar. Time. | Sidereal Time at mean noon.  |
|          | ° ' "              | m. s.                                     | h. m. s.  |           | ° ' "              | m. s.                                     | h. m. s.   |
| 1        | 23 59 47.3         | 3 57.95                                   | 18 44 5.00  | 1         | 17 2 15.4          | 13 56.23                                  | 20 46 18.28  |
| 2        | 23 54 29.5         | 4 26.09                                   | 18 48 1.56  | 2         | 16 44 57.7         | 14 3.51                                   | 20 50 14.79  |
| 3        | 23 48 44.3         | 4 53.86                                   | 18 51 58.12   | 3         | 16 27 22.5         | 14 9.95                                   | 20 54 11.34  |
| 4        | 23 42 32.0         | 5 21.21                                   | 18 55 54.67   | 4         | 16 9 30.2          | 14 15.56                                  | 20 58 7.90   |
| 5        | 23 35 52.6         | 5 48.11                                   | 18 59 51.23   | 5         | 15 51 21.3         | 14 20.33                                  | 21 2 4.45  |
| 6        | 23 28 46.4         | 6 14.56                                   | 19 3 47.79  | 6         | 15 23 56.2         | 14 24.28                                  | 21 6 1.01  |
| 7        | 23 21 13.6         | 6 40.51                                   | 19 7 44.34  | 7         | 15 14 15.2         | 14 27.42                                  | 21 9 57.56   |
| 8        | 23 13 14.4         | 7 5.95                                    | 19 11 40.90   | 8         | 14 55 18.8         | 14 29.77                                  | 21 13 54.11  |
| 9        | 23 4 49.0          | 7 30.86                                   | 19 15 37.46   | 9         | 14 36 7.4          | 14 31.32                                  | 21 17 50.67  |
| 10       | 21 55 57.8         | 7 55.20                                   | 19 19 34.01   | 10        | 14 16 41.4         | 14 32.09                                  | 21 21 47.22  |
| 11       | 21 46 41.0         | 8 18.97                                   | 19 23 30.57   | 11        | 13 57 1.1          | 14 32.10                                  | 21 25 43.78  |
| 12       | 21 36 58.7         | 8 42.15                                   | 19 27 27.12   | 12        | 13 37 7.0          | 14 31.35                                  | 21 29 40.33  |
| 13       | 21 26 51.3         | 9 4.72                                    | 19 31 23.68   | 13        | 13 16 59.5         | 14 29.86                                  | 21 33 36.88  |
| 14       | 21 16 19.0         | 9 26.66                                   | 19 35 20.23   | 14        | 12 56 39.1         | 14 27.63                                  | 21 37 33.44  |
| 15       | 21 5 22.2          | 9 47.95                                   | 19 39 16.79   | 15        | 12 36 6.0          | 14 24.69                                  | 21 41 29.99  |
| 16       | 20 54 1.3          | 10 8.58                                   | 19 43 13.35   | 16        | 12 15 20.7         | 14 21.05                                  | 21 45 26.54  |
| 17       | 20 42 16.4         | 10 28.53                                  | 19 47 9.91  | 17        | 11 54 23.7         | 14 16.72                                  | 21 49 23.10  |
| 18       | 20 30 7.9          | 10 47.78                                  | 19 51 6.46  | 18        | 11 33 15.3         | 14 11.70                                  | 21 53 19.65  |
| 19       | 20 17 36.1         | 11 6.32                                   | 19 55 3.02  | 19        | 11 11 56.1         | 14 6.01                                   | 21 57 16.20  |
| 20       | 20 4 41.5          | 11 24.14                                  | 19 58 59.57   | 20        | 10 50 26.4         | 13 59.65                                  | 22 1 12.76   |
| 21       | 19 51 24.2         | 11 41.21                                  | 20 2 56.13  | 21        | 10 28 46.6         | 13 52.64                                  | 22 5 9.31  |
| 22       | 19 37 44.9         | 11 57.52                                  | 20 6 52.68  | 22        | 10 6 57.1          | 13 45.00                                  | 22 9 5.86  |
| 23       | 19 23 42.7         | 12 13.05                                  | 20 10 49.24   | 23        | 9 44 58.4          | 13 36.73                                  | 22 13 2.41   |
| 24       | 19 9 21.1          | 12 27.80                                  | 20 14 45.79   | 24        | 9 23 50.9          | 13 27.84                                  | 22 16 58.97  |
| 25       | 18 54 37.4         | 12 41.75                                  | 20 18 42.35   | 25        | 9 0 35.0           | 13 18.36                                  | 22 20 55.62  |
| 26       | 18 39 33.0         | 12 54.89                                  | 20 22 38.91   | 26        | 8 38 11.2          | 13 8.29                                   | 22 24 52.07  |
| 27       | 18 24 8.4          | 13 7.20                                   | 20 26 35.46   | 27        | 8 15 39.8          | 12 57.64                                  | 22 28 48.62  |
| 28       | 18 8 24.0          | 13 18.69                                  | 20 30 32.02   | 28        | 7 53 1.3           | 12 46.42                                  | 22 32 45.18  |
| 29       | 17 52 20.0         | 13 29.34                                  | 20 34 28.57   | 29        | 7 30 16.0          | 12 34.68                                  | 22 36 41.73  |
| 30       | 17 35 57.0         | 13 39.15                                  | 20 38 25.12   |           |                    |   |  |
| 31       | 17 19 15.3         | 13 48.11                                  | 20 42 21.68   |           |                    |   |  |

## At Apparent Noon at Greenwich.

| MARCH. |                    |   |   | APRIL. |                    |   |   |
|--------|--------------------|---|---|--------|--------------------|---|---|
| D.     | Semi-diam.         | S. D. culm.                               |   | D.     | Semi-diam.         | S. D. culm.                                   |   |
|        | <i>' "</i>         | <i>m. s.</i>                              |   |        | <i>' "</i>         | <i>m. s.</i>                                  |   |
| 1      | 16 9.1             | 1 5.34                                    | Obliquity of the Ecliptic.<br>2d, 23° 27' and 23.83"; 12h, 23.83"; 22d, 24.02".<br>Horizontal Parallax.<br>2d, 8.65"; 12h, 8.63"; 22d, 8.60". | 2      | 16 0.5             | 1 4.45  | Obliquity of the Ecliptic.<br>1st, 23° 27' and 23.95"; 11h, 23.91"; 21st, 23.79".<br>Horizontal Parallax.<br>1st, 8.65"; 11h, 8.65"; 21st, 8.63". |
| 3      | 8.6                | 5.20                                      |   | 4      | 0.0                | 4.49  |   |
| 5      | 8.1                | 5.06                                      |   | 6      | 59.4               | 4.55  |   |
| 7      | 7.6                | 4.94                                      |   | 8      | 58.9               | 4.61  |   |
| 9      | 7.1                | 4.88                                      |   | 10     | 58.4               | 4.69  |   |
| 11     | 6.6                | 4.78                                      |   | 12     | 57.8               | 4.77  |   |
| 13     | 6.0                | 4.65                                      |   | 14     | 57.3               | 4.87  |   |
| 15     | 5.5                | 4.57                                      |   | 16     | 56.7               | 4.97  |   |
| 17     | 4.9                | 4.51                                      |   | 18     | 56.2               | 5.08  |   |
| 19     | 4.4                | 4.45                                      |   | 20     | 55.6               | 5.20  |   |
| 21     | 3.8                | 4.41                                      |   | 22     | 55.1               | 5.33  |   |
| 23     | 3.3                | 4.39                                      |   | 24     | 54.6               | 5.47  |   |
| 25     | 2.7                | 4.38                                      |   | 26     | 54.1               | 5.61  |   |
| 27     | 2.2                | 4.38                                      |   | 28     | 53.7               | 5.75  |   |
| 29     | 1.6                | 4.39                                      |   | 30     | 53.2               | 5.90  |   |
| 31     | 1.1                | 4.41                                      |   |        |                    |   |   |
| D.     | Declination South. | Equa. of Time to be added to Appar. Time. | Sidereal Time at mean noon.   | D.     | Declination North. | Eq. of Ti. to be added to Ap. Time till 15th. | Sidereal Time at mean noon.   |
|        | <i>° ' "</i>       | <i>m. s.</i>                              | <i>h. m. s.</i>   |        | <i>° ' "</i>       | <i>m. s.</i>                                  | <i>h. m. s.</i>   |
| 1      | 7 30 16.0          | 12 34.68                                  | 21 36 41.73   | 1      | 4 36 43.5          | 3 56.04                                       | 0 38 54.84  |
| 2      | 7 7 24.4           | 12 22.41                                  | 22 40 38.28   | 2      | 4 59 47.8          | 3 37.86                                       | 0 43 51.39  |
| 3      | 6 44 26.9          | 12 9.63                                   | 23 44 34.83   | 3      | 5 23 46.8          | 3 19.79                                       | 0 46 47.94  |
| 4      | 6 21 23.8          | 11 56.37                                  | 22 48 31.89   | 4      | 5 45 40.0          | 3 1.85  | 0 50 44.49  |
| 5      | 5 58 15.6          | 11 42.63                                  | 23 52 27.94   | 5      | 6 8 27.2           | 2 44.07                                       | 0 54 41.05  |
| 6      | 5 35 2.6           | 11 28.45                                  | 23 56 24.49   | 6      | 6 31 8.0           | 2 26.46                                       | 0 58 37.60  |
| 7      | 5 11 45.1          | 11 13.85                                  | 23 0 21.04  | 7      | 6 53 42.1          | 2 9.06  | 1 2 34.15   |
| 8      | 4 48 23.6          | 10 58.85                                  | 23 4 17.59  | 8      | 7 16 9.1           | 1 51.88                                       | 1 6 30.70   |
| 9      | 4 24 58.4          | 10 43.47                                  | 23 8 14.15  | 9      | 7 38 28.7          | 1 34.33                                       | 1 10 27.25  |
| 10     | 4 1 29.9           | 10 27.75                                  | 23 12 10.70   | 10     | 8 0 40.7           | 1 18.25                                       | 1 14 23.81  |
| 11     | 3 37 58.4          | 10 11.70                                  | 23 16 7.25  | 11     | 8 22 44.7          | 1 1.85  | 1 18 20.36  |
| 12     | 3 14 24.3          | 9 55.34                                   | 23 20 3.80  | 12     | 8 44 40.3          | 0 45.73                                       | 1 22 16.91  |
| 13     | 2 50 48.0          | 9 38.70                                   | 23 24 0.35  | 13     | 9 6 27.3           | 0 29.98                                       | 1 26 13.47  |
| 14     | 2 27 9.8           | 9 21.80                                   | 23 27 56.91   | 14     | 9 28 5.3           | + 0 14.66                                     | 1 30 10.02  |
| 15     | 2 3 30.0           | 9 4.67                                    | 23 31 53.46   | 15     | 9 49 34.0          | - 0 0.51                                      | 1 34 6.57   |
| 16     | 1 39 49.1          | 8 47.33                                   | 23 35 50.01   | 16     | 10 10 53.1         | 0 15.21                                       | 1 38 3.12   |
| 17     | 1 16 7.4           | 8 29.80                                   | 23 39 46.56   | 17     | 10 32 2.3          | 0 29.52                                       | 1 41 59.68  |
| 18     | 0 52 25.2          | 8 12.09                                   | 23 43 43.11   | 18     | 10 58 1.1          | 0 43.43                                       | 1 45 56.23  |
| 19     | 0 28 42.9          | 7 54.23                                   | 23 47 39.66   | 19     | 11 18 49.3         | 0 56.92                                       | 1 49 52.78  |
| 20     | S. 0 5 1.0         | 7 36.24                                   | 23 51 36.22   | 20     | 11 34 26.5         | 1 9.99  | 1 53 49.33  |
| 21     | N. 0 18 40.2       | 7 18.13                                   | 23 55 32.77   | 21     | 11 54 52.4         | 1 22.63                                       | 1 57 45.89  |
| 22     | 0 43 20.4          | 6 59.92                                   | 23 59 29.32   | 22     | 12 15 6.6          | 1 34.32                                       | 2 1 42.44   |
| 23     | 1 5 59.2           | 6 41.62                                   | 0 3 25.87   | 23     | 12 35 8.7          | 1 46.56                                       | 2 5 38.99   |
| 24     | 1 29 36.3          | 6 23.26                                   | 0 7 22.42   | 24     | 12 54 58.6         | 1 57.84                                       | 2 9 35.55   |
| 25     | 1 53 11.2          | 6 4.86                                    | 0 11 18.97  | 25     | 13 14 35.8         | 2 8.66  | 2 13 32.10  |
| 26     | 2 16 43.5          | 5 46.43                                   | 0 15 15.53  | 26     | 13 33 59.8         | 2 19.01                                       | 2 17 28.65  |
| 27     | 2 40 12.9          | 5 27.97                                   | 0 19 12.08  | 27     | 13 53 10.4         | 2 28.87                                       | 2 21 25.21  |
| 28     | 3 3 38.9           | 5 9.51                                    | 0 23 8.63   | 28     | 14 12 7.4          | 2 38.24                                       | 2 25 21.76  |
| 29     | 3 27 1.4           | 4 51.07                                   | 0 27 5.18   | 29     | 14 30 50.3         | 2 47.11                                       | 2 29 18.32  |
| 30     | 3 50 19.9          | 4 32.67                                   | 0 31 1.73   | 30     | 14 49 18.8         | 2 55.48                                       | 2 33 14.87  |
| 31     | 4 13 34.1          | 4 14.32                                   | 0 34 58.29  | 31     | 15 7 32.7          | 3 3.34  | 2 37 11.42  |



*At Apparent Noon at Greenwich.*

| MAY. |                    |   |   | JUNE. |                    |   |   |
|------|--------------------|---|---|-------|--------------------|---|---|
| D.   | Semi-diam.         | S. D. culm.                               |   | D.    | Semi-diam.         | S. D. culm.                                     |   |
|      | <i>l n</i>         | <i>m. s.</i>                              |   |       | <i>l n</i>         | <i>m. s.</i>                                    |   |
| 2    | 15 52.7            | 1 6.06                                    | Obliquity of the Ecliptic.<br>1st, 23° 27' and 23.63"; 11th, 23.46"; 21st, 23.31";<br>31st, 23.19".<br>Horizontal Parallax.<br>1st, 8.51"; 11th, 8.49"; 21st, 8.47"; 31st, 8.46". | 1     | 15 47.2            | 1 8.34  | Obliquity of the Ecliptic.<br>10th, 23° 27' and 23.12"; 20th, 23.11"; 30th, 23.15".<br>Horizontal Parallax.<br>10th, 8.45"; 20th, 8.44"; 30th, 8.44". |
| 4    | 52.3               | 6.22                                      |   | 3     | 46.9               | 8.44  |   |
| 6    | 51.8               | 6.39                                      |   | 5     | 46.7               | 8.54  |   |
| 8    | 51.4               | 6.55                                      |   | 7     | 46.5               | 8.68  |   |
| 10   | 51.0               | 6.72                                      |   | 9     | 46.2               | 8.71  |   |
| 12   | 50.6               | 6.88                                      |   | 11    | 46.0               | 8.77  |   |
| 14   | 50.1               | 7.04                                      |   | 13    | 45.9               | 8.82  |   |
| 16   | 49.7               | 7.20                                      |   | 15    | 45.7               | 8.86  |   |
| 18   | 49.4               | 7.36                                      |   | 17    | 45.5               | 8.88  |   |
| 20   | 49.0               | 7.52                                      |   | 19    | 45.4               | 8.90  |   |
| 22   | 48.6               | 7.68                                      |   | 21    | 45.3               | 8.90  |   |
| 24   | 48.3               | 7.82                                      |   | 23    | 45.2               | 8.88  |   |
| 26   | 48.0               | 7.96                                      |   | 25    | 45.2               | 8.86  |   |
| 28   | 47.7               | 8.10                                      |   | 27    | 45.1               | 8.83  |   |
| 30   | 47.4               | 8.22                                      |   | 29    | 45.1               | 8.77  |   |
| 32   | 47.2               | 8.34                                      |   | 31    | 45.1               | 8.71  |   |
| D.   | Declination North. | Eq. of Time to be subtr. fr. Appar. Time. | Sideral Time at mean noon.  | D.    | Declination North. | Eq. of Ti. to be subtr. fr. Ap. Time till 15th. | Sideral Time at mean noon.  |
|      | <i>o l n</i>       | <i>m. s.</i>                              | <i>h. m. s.</i>   |       | <i>o l n</i>       | <i>m. s.</i>                                    | <i>h. m. s.</i>   |
| 1    | 15 7 32.7          | 3 3.34                                    | 2 37 11.42  | 1     | 22 4 54.5          | 2 31.14   | 4 39 24.64  |
| 2    | 15 25 31.6         | 3 10.67                                   | 2 41 7.98   | 2     | 22 12 49.7         | 2 22.06   | 4 43 21.20  |
| 3    | 15 43 15.0         | 3 17.48                                   | 2 45 4.53   | 3     | 22 20 21.7         | 2 12.61   | 4 47 17.75  |
| 4    | 16 0 42.9          | 3 23.75                                   | 2 49 1.09   | 4     | 22 27 30.2         | 2 2.81  | 4 51 14.31  |
| 5    | 16 17 54.9         | 3 29.47                                   | 2 52 57.64  | 5     | 22 34 15.2         | 1 52.67   | 4 55 10.87  |
| 6    | 16 34 50.6         | 3 34.64                                   | 2 56 54.20  | 6     | 22 40 36.5         | 1 42.19   | 4 59 7.42   |
| 7    | 16 51 29.8         | 3 39.25                                   | 3 0 50.75   | 7     | 22 46 34.0         | 1 31.40   | 5 3 3.98  |
| 8    | 17 7 52.2          | 3 43.29                                   | 3 4 47.30   | 8     | 22 52 7.5          | 1 20.30   | 5 7 0.54  |
| 9    | 17 23 57.6         | 3 46.75                                   | 3 8 43.86   | 9     | 22 57 17.0         | 1 8.93  | 5 10 57.09  |
| 10   | 17 39 45.6         | 3 49.62                                   | 3 12 40.41  | 10    | 23 2 2.3           | 0 57.30   | 5 14 53.65  |
| 11   | 17 55 15.9         | 3 51.91                                   | 3 16 36.97  | 11    | 23 6 23.3          | 0 45.41   | 5 18 50.21  |
| 12   | 18 10 28.3         | 3 53.60                                   | 3 20 33.52  | 12    | 23 10 19.9         | 0 33.30   | 5 22 46.76  |
| 13   | 18 25 22.4         | 3 54.70                                   | 3 24 30.08  | 13    | 23 13 52.1         | 0 20.97   | 5 26 43.32  |
| 14   | 18 39 58.1         | 3 55.21                                   | 3 28 26.63  | 14    | 23 16 59.8         | — 0 8.46  | 5 30 39.88  |
| 15   | 18 54 15.1         | 3 55.12                                   | 3 32 23.19  | 15    | 23 19 42.9         | + 0 4.21  | 5 34 36.43  |
| 16   | 19 8 13.0          | 3 54.45                                   | 3 36 19.74  | 16    | 23 22 1.4          | 0 17.02   | 5 38 32.99  |
| 17   | 19 21 51.5         | 3 53.20                                   | 3 40 16.30  | 17    | 23 23 55.1         | 0 29.93   | 5 42 29.55  |
| 18   | 19 35 10.5         | 3 51.36                                   | 3 44 12.86  | 18    | 23 25 24.1         | 0 42.93   | 5 46 26.10  |
| 19   | 19 48 9.6          | 3 48.95                                   | 3 48 9.41   | 19    | 23 26 28.3         | 0 55.99   | 5 50 22.66  |
| 20   | 20 0 48.6          | 3 45.98                                   | 3 52 5.97   | 20    | 23 27 7.8          | 1 9.09  | 5 54 19.22  |
| 21   | 20 13 7.1          | 3 42.46                                   | 3 56 2.52   | 21    | 23 27 22.5         | 1 22.18   | 5 58 15.78  |
| 22   | 20 25 5.0          | 3 38.40                                   | 3 59 59.08  | 22    | 23 27 12.3         | 1 35.24   | 6 2 12.33   |
| 23   | 20 36 42.0         | 3 33.81                                   | 4 3 55.63   | 23    | 23 26 37.3         | 1 48.26   | 6 6 8.89  |
| 24   | 20 47 57.8         | 3 28.71                                   | 4 7 52.19   | 24    | 23 25 37.6         | 2 1.19  | 6 10 5.45   |
| 25   | 20 58 52.2         | 3 23.11                                   | 4 11 48.75  | 25    | 23 24 13.2         | 2 14.00   | 6 14 2.00   |
| 26   | 21 9 25.0          | 3 17.02                                   | 4 15 45.30  | 26    | 23 22 24.0         | 2 26.67   | 6 17 58.56  |
| 27   | 21 19 35.9         | 3 10.46                                   | 4 19 41.86  | 27    | 23 20 10.2         | 2 39.30   | 6 21 55.12  |
| 28   | 21 29 24.6         | 3 3.45                                    | 4 23 38.41  | 28    | 23 17 31.8         | 2 51.54   | 6 25 51.67  |
| 29   | 21 38 51.1         | 2 56.00                                   | 4 27 34.97  | 29    | 23 14 28.3         | 3 3.67  | 6 29 48.23  |
| 30   | 21 47 55.0         | 2 48.12                                   | 4 31 31.53  | 30    | 23 11 1.4          | 3 15.57   | 6 33 44.79  |
| 31   | 21 56 36.2         | 2 39.33                                   | 4 35 28.08  | 31    | 23 7 9.6           | 3 27.23   | 6 37 41.35  |

*At Apparent Noon at Greenwich.*

| JULY. |            |              |   | AUGUST. |            |              |  |
|-------|------------|--------------|---|---------|------------|--------------|--|
| D.    | Semi-diam. | S. D. culm.  |   | D.      | Semi-diam. | S. D. culm.  |  |
|       | <i>' "</i> | <i>m. s.</i> |   |         | <i>' "</i> | <i>m. s.</i> |  |
| 1     | 15 45.1    | 1 8.71       | Obliquity of the Ecliptic.<br>Horizontal Parallax.<br>10th, 8.44''; 20th, 8.44''; 30th, 8.45''. | 2       | 15 47.2    | 1 6.49       | Obliquity of the Ecliptic.<br>Horizontal Parallax.<br>9th, 8.46''; 19th, 8.45''; 29th, 8.50''. |
| 3     | 45.1       | 8.63         |   | 4       | 47.5       | 6.32         |  |
| 5     | 45.1       | 8.56         |   | 6       | 47.8       | 6.15         |  |
| 7     | 45.2       | 8.45         |   | 8       | 48.1       | 5.98         |  |
| 9     | 45.2       | 8.33         |   | 10      | 48.4       | 5.81         |  |
| 11    | 45.3       | 8.21         |   | 12      | 48.7       | 5.64         |  |
| 13    | 45.3       | 8.09         |   | 14      | 49.1       | 5.48         |  |
| 15    | 45.4       | 7.95         |   | 16      | 49.4       | 5.32         |  |
| 17    | 45.6       | 7.81         |   | 18      | 49.8       | 5.17         |  |
| 19    | 45.7       | 7.66         |   | 20      | 50.2       | 5.03         |  |
| 21    | 45.9       | 7.50         |   | 22      | 50.6       | 4.89         |  |
| 23    | 46.0       | 7.34         |   | 24      | 51.0       | 4.77         |  |
| 25    | 46.3       | 7.17         |   | 26      | 51.5       | 4.65         |  |
| 27    | 46.5       | 7.00         |   | 28      | 51.9       | 4.54         |  |
| 29    | 46.7       | 6.83         |   | 30      | 52.4       | 4.44         |  |
| 31    | 47.0       | 6.66         |   | 32      | 52.8       | 4.34         |  |

| D. | Declination North. | Equa. of Time to be added to Appar. Time. | Sidereal Time at mean noon. | D. | Declination North. | Equa. of Time to be added to Appar. Time. | Sidereal Time at mean noon. |
|----|--------------------|---|-----------------------------|----|--------------------|---|-----------------------------|
|    | <i>° ' "</i>       | <i>m. s.</i>                              | <i>h. m. s.</i>             |    | <i>° ' "</i>       | <i>m. s.</i>                              | <i>h. m. s.</i>             |
| 1  | 23 7 9.6           | 3 27.22                                   | 6 37 41.35                  | 1  | 18 0 25.7          | 6 0.85                                    | 8 39 54.56                  |
| 2  | 23 2 53.6          | 3 38.61                                   | 6 41 37.90                  | 2  | 17 45 8.5          | 5 56.95                                   | 8 43 51.14                  |
| 3  | 22 58 13.4         | 3 49.71                                   | 6 45 34.46                  | 3  | 17 29 33.9         | 5 52.44                                   | 8 47 47.69                  |
| 4  | 22 53 9.2          | 4 0.51                                    | 6 49 31.02                  | 4  | 17 13 42.2         | 5 47.33                                   | 8 51 44.25                  |
| 5  | 22 47 41.1         | 4 10.96                                   | 6 53 27.57                  | 5  | 16 57 33.8         | 5 41.62                                   | 8 55 40.80                  |
| 6  | 22 41 49.2         | 4 21.12                                   | 6 57 24.13                  | 6  | 16 41 8.9          | 5 35.33                                   | 8 59 37.36                  |
| 7  | 22 35 33.7         | 4 30.91                                   | 7 1 20.69                   | 7  | 16 24 27.8         | 5 28.46                                   | 9 3 33.91                   |
| 8  | 22 28 54.6         | 4 40.35                                   | 7 5 17.24                   | 8  | 16 7 30.7          | 5 21.01                                   | 9 7 30.47                   |
| 9  | 22 21 52.2         | 4 49.40                                   | 7 9 13.80                   | 9  | 15 50 18.0         | 5 12.99                                   | 9 11 27.02                  |
| 10 | 22 14 26.7         | 4 58.05                                   | 7 13 10.36                  | 10 | 15 32 50.1         | 5 4.42                                    | 9 15 23.57                  |
| 11 | 22 6 38.1          | 5 6.30                                    | 7 17 6.91                   | 11 | 15 15 7.1          | 4 55.30                                   | 9 19 20.13                  |
| 12 | 21 58 26.7         | 5 14.14                                   | 7 21 3.47                   | 12 | 14 57 9.4          | 4 45.63                                   | 9 23 16.68                  |
| 13 | 21 49 52.7         | 5 21.53                                   | 7 25 0.02                   | 13 | 14 38 57.2         | 4 35.43                                   | 9 27 13.24                  |
| 14 | 21 40 56.2         | 5 28.47                                   | 7 28 56.58                  | 14 | 14 20 31.0         | 4 24.70                                   | 9 31 9.79                   |
| 15 | 21 31 37.5         | 5 34.95                                   | 7 32 53.14                  | 15 | 14 1 51.1          | 4 13.44                                   | 9 35 6.34                   |
| 16 | 21 21 56.7         | 5 40.95                                   | 7 36 49.69                  | 16 | 13 42 57.6         | 4 1.68                                    | 9 39 2.90                   |
| 17 | 21 11 54.2         | 5 46.45                                   | 7 40 46.25                  | 17 | 13 23 51.0         | 3 49.41                                   | 9 42 59.45                  |
| 18 | 21 1 30.1          | 5 51.44                                   | 7 44 42.81                  | 18 | 13 4 31.6          | 3 36.63                                   | 9 46 56.00                  |
| 19 | 20 50 44.6         | 5 55.90                                   | 7 48 39.36                  | 19 | 12 44 59.8         | 3 23.35                                   | 9 50 52.56                  |
| 20 | 20 39 38.0         | 5 59.82                                   | 7 52 35.92                  | 20 | 12 25 15.8         | 3 9.58                                    | 9 54 49.11                  |
| 21 | 20 28 10.5         | 6 3.19                                    | 7 56 32.47                  | 21 | 12 5 20.0          | 2 55.34                                   | 9 58 45.67                  |
| 22 | 20 16 22.4         | 6 5.99                                    | 8 0 29.03                   | 22 | 11 45 12.7         | 2 40.63                                   | 10 2 42.22                  |
| 23 | 20 4 13.9          | 6 8.20                                    | 8 4 25.58                   | 23 | 11 24 54.8         | 2 25.46                                   | 10 6 38.77                  |
| 24 | 19 51 45.4         | 6 9.82                                    | 8 8 22.14                   | 24 | 11 4 25.1          | 2 9.84                                    | 10 10 35.33                 |
| 25 | 19 38 57.0         | 6 10.85                                   | 8 12 18.70                  | 25 | 10 43 45.4         | 1 53.78                                   | 10 14 31.88                 |
| 26 | 19 25 49.0         | 6 11.28                                   | 8 16 15.25                  | 26 | 10 22 55.5         | 1 37.30                                   | 10 18 28.43                 |
| 27 | 19 12 21.7         | 6 11.10                                   | 8 20 11.81                  | 27 | 10 1 55.9          | 1 20.41                                   | 10 22 24.96                 |
| 28 | 18 58 35.4         | 6 10.29                                   | 8 24 8.36                   | 28 | 9 40 46.7          | 1 3.12                                    | 10 26 21.54                 |
| 29 | 18 44 30.4         | 6 8.85                                    | 8 28 4.92                   | 29 | 9 19 28.3          | 0 45.45                                   | 10 30 18.09                 |
| 30 | 18 30 6.9          | 6 6.80                                    | 8 32 1.47                   | 30 | 8 58 1.0           | 0 27.43                                   | 10 34 14.64                 |
| 31 | 18 15 25.3         | 6 4.13                                    | 8 35 58.08                  | 31 | 8 36 25.2          | 0 9.07                                    | 10 38 11.20                 |

*At Apparent Noon at Greenwich.*

| SEPTEMBER. |                    |   |   | OCTOBER. |                    |   |   |
|------------|--------------------|---|---|----------|--------------------|---|---|
| D.         | Semi-diam.         | S. D. culm.                                 |   | D.       | Semi-diam.         | S. D. culm.                                 |   |
|            | ' "                | m. s.                                       |   |          | ' "                | m. s.                                       |   |
| 1          | 15 52.8            | 1 4.34                                      | Obliquity of the Ecliptic.<br>Horizontal Parallax.<br>8th, 23° 27' and 24.33"; 18th, 24.43"; 28th, 24.45";<br>8th, 8.53"; 18th, 8.54"; 28th, 8.57". | 1        | 16 0.6             | 1 4.30                                      | Obliquity of the Ecliptic.<br>Horizontal Parallax.<br>8th, 23° 27' and 24.43"; 18th, 24.33"; 28th, 24.20";<br>8th, 8.53"; 18th, 8.52"; 28th, 8.54". |
| 3          | 53.3               | 4.26  |   | 3        | 1.2                | 4.40  |   |
| 5          | 53.8               | 4.19  |   | 5        | 1.7                | 4.50  |   |
| 7          | 54.3               | 4.13  |   | 7        | 2.3                | 4.63  |   |
| 9          | 54.7               | 4.08  |   | 9        | 2.8                | 4.75  |   |
| 11         | 55.2               | 4.04  |   | 11       | 3.4                | 4.89  |   |
| 13         | 55.7               | 4.01  |   | 13       | 3.9                | 5.04  |   |
| 15         | 56.2               | 3.99  |   | 15       | 4.4                | 5.20  |   |
| 17         | 56.8               | 3.99  |   | 17       | 5.0                | 5.37  |   |
| 19         | 57.3               | 4.00  |   | 19       | 5.5                | 5.55  |   |
| 21         | 57.9               | 4.02  |   | 21       | 6.1                | 5.73  |   |
| 23         | 58.4               | 4.06  |   | 23       | 6.6                | 5.93  |   |
| 25         | 59.0               | 4.10  |   | 25       | 7.1                | 6.13  |   |
| 27         | 59.5               | 4.16  |   | 27       | 7.7                | 6.35  |   |
| 29         | 16 0.1             | 4.23  |   | 29       | 8.3                | 6.57  |   |
| 31         | 6.6                | 4.30  |   | 31       | 8.7                | 6.79  |   |
| D.         | Declination North. | Equa. of Time to be subtr. fr. Appar. Time. | Sidereal Time at mean noon.   | D.       | Declination South. | Equa. of Time to be subtr. fr. Appar. Time. | Sidereal Time at mean noon.   |
|            | ° ' "              | m. s.                                       | h. m. s.  |          | ° ' "              | m. s.                                       | h. m. s.  |
| 1          | 8 14 41.1          | 0 9.61                                      | 10 42 7.75  | 1        | 8 14 43.8          | 10 20.50                                    | 12 40 24.31   |
| 2          | 7 52 49.1          | 0 28.58                                     | 10 46 4.30  | 2        | 3 38 1.1           | 10 39.46                                    | 12 44 20.86   |
| 3          | 7 30 49.4          | 0 47.84                                     | 10 50 0.85  | 3        | 4 1 16.0           | 10 58.10                                    | 12 48 17.41   |
| 4          | 7 8 42.4           | 1 7.35                                      | 10 53 57.40   | 4        | 4 24 28.0          | 11 16.41                                    | 12 52 13.96   |
| 5          | 6 46 28.4          | 1 27.09                                     | 10 57 53.96   | 5        | 4 47 36.9          | 11 34.35                                    | 12 56 10.52   |
| 6          | 6 24 7.7           | 1 47.04                                     | 11 1 50.51  | 6        | 5 10 42.3          | 11 51.90                                    | 13 0 7.07   |
| 7          | 6 1 40.6           | 2 7.18                                      | 11 5 47.06  | 7        | 5 33 43.9          | 12 9.05                                     | 13 4 3.62   |
| 8          | 5 39 7.3           | 2 27.50                                     | 11 9 43.61  | 8        | 5 56 41.2          | 12 26.77                                    | 13 8 0.17   |
| 9          | 5 16 28.3          | 2 47.97                                     | 11 13 40.17   | 9        | 6 19 34.0          | 12 42.04                                    | 13 11 56.78   |
| 10         | 4 53 43.8          | 3 8.57                                      | 11 17 36.72   | 10       | 6 42 21.9          | 12 57.84                                    | 13 15 53.28   |
| 11         | 4 30 54.2          | 3 29.28                                     | 11 21 33.27   | 11       | 7 5 4.5            | 13 13.15                                    | 13 19 49.83   |
| 12         | 4 7 59.8           | 3 50.08                                     | 11 25 29.82   | 12       | 7 27 41.5          | 13 27.95                                    | 13 23 46.38   |
| 13         | 3 45 0.9           | 4 10.96                                     | 11 29 26.38   | 13       | 7 50 12.3          | 13 42.23                                    | 13 27 42.93   |
| 14         | 3 21 58.0          | 4 31.90                                     | 11 33 22.93   | 14       | 8 12 36.7          | 13 56.96                                    | 13 31 39.49   |
| 15         | 2 58 51.2          | 4 52.89                                     | 11 37 19.48   | 15       | 8 34 54.4          | 14 9.17                                     | 13 35 36.04   |
| 16         | 2 35 41.0          | 5 13.91                                     | 11 41 16.03   | 16       | 8 57 4.8           | 14 21.79                                    | 13 39 32.59   |
| 17         | 2 12 27.7          | 5 34.98                                     | 11 45 12.58   | 17       | 9 19 7.5           | 14 33.53                                    | 13 43 29.15   |
| 18         | 1 49 11.7          | 5 55.4                                      | 11 49 9.13  | 18       | 9 41 2.2           | 14 45.28                                    | 13 47 25.70   |
| 19         | 1 25 53.3          | 6 16.94                                     | 11 53 5.69  | 19       | 10 2 48.4          | 14 56.12                                    | 13 51 22.25   |
| 20         | 1 2 33.0           | 6 37.90                                     | 11 57 2.24  | 20       | 10 24 25.7         | 15 6.34                                     | 13 55 18.80   |
| 21         | 0 39 10.9          | 6 58.80                                     | 12 0 58.79  | 21       | 10 45 53.8         | 15 15.98                                    | 13 59 15.36   |
| 22         | 0 15 47.5          | 7 19.62                                     | 12 4 55.34  | 22       | 11 7 12.2          | 15 24.87                                    | 14 3 11.91  |
| 23         | S. 0 7 36.8        | 7 40.36                                     | 12 8 51.89  | 23       | 11 28 20.5         | 15 33.15                                    | 14 7 8.46   |
| 24         | 0 31 1.7           | 8 0.98                                      | 12 12 48.45   | 24       | 11 49 18.3         | 15 40.76                                    | 14 11 5.02  |
| 25         | 0 54 26.9          | 8 21.48                                     | 12 16 45.00   | 25       | 12 10 5.2          | 15 47.68                                    | 14 15 1.57  |
| 26         | 1 17 52.0          | 8 41.82                                     | 12 20 41.55   | 26       | 12 30 40.7         | 15 53.90                                    | 14 18 58.12   |
| 27         | 1 41 16.6          | 9 2.00                                      | 12 24 38.10   | 27       | 12 51 4.6          | 15 59.40                                    | 14 22 54.68   |
| 28         | 2 4 40.4           | 9 21.98                                     | 12 28 34.65   | 28       | 13 11 16.4         | 16 4.17                                     | 14 26 51.23   |
| 29         | 2 28 3.1           | 9 41.74                                     | 12 32 31.21   | 29       | 13 31 15.8         | 16 8.19                                     | 14 30 47.78   |
| 30         | 2 51 24.4          | 10 1.26                                     | 12 36 27.76   | 30       | 13 51 2.2          | 16 11.45                                    | 14 34 44.34   |
| 31         | 3 14 43.8          | 10 20.50                                    | 12 40 24.31   | 31       | 14 10 35.4         | 16 13.93                                    | 14 38 40.89   |

## At Apparent Noon at Greenwich.

| NOVEMBER. |                    |   |   | DECEMBER. |                    |  |   |
|-----------|--------------------|---|---|-----------|--------------------|--|---|
| D.        | Semi-diam.         | S. D. culm.                                 |   | D.        | Semi-diam.         | S. D. culm.                                    |   |
|           | ' "                | m. s.                                       |   |           | ' "                | m. s.  |   |
| 2         | 16 9.2             | 1 7.01                                      | Obliquity of the Ecliptic.<br>7th, 23° 27' and 24.04"; 17th, 23.85"; 27th, 23.76".<br>Horizontal Parallax.<br>7th, 8.66"; 17th, 8.69"; 27th, 8.70". | 2         | 16 15.1            | 1 10.33  | Obliquity of the Ecliptic.<br>7th, 23° 27' and 23.67"; 17th, 23.64"; 27th, 23.68".<br>Horizontal Parallax.<br>37th, 23.79". |
| 4         | 9.7                | 7.25  |   | 4         | 15.4               | 10.49  |   |
| 6         | 10.1               | 7.48  |   | 6         | 15.7               | 10.63  |   |
| 8         | 10.6               | 7.73  |   | 8         | 15.9               | 10.76  |   |
| 10        | 11.0               | 7.96  |   | 10        | 16.1               | 10.88  |   |
| 12        | 11.4               | 8.20  |   | 12        | 16.3               | 10.98  |   |
| 14        | 11.9               | 8.44  |   | 14        | 16.5               | 11.06  |   |
| 16        | 12.3               | 8.66  |   | 16        | 16.6               | 11.13  |   |
| 18        | 12.7               | 8.91  |   | 18        | 16.8               | 11.18  |   |
| 20        | 13.1               | 9.18  |   | 20        | 16.9               | 11.21  |   |
| 22        | 13.5               | 9.35  |   | 22        | 17.0               | 11.23  |   |
| 24        | 13.8               | 9.57  |   | 24        | 17.1               | 11.21  |   |
| 26        | 14.2               | 9.78  |   | 26        | 17.2               | 11.19  |   |
| 28        | 14.5               | 9.98  |   | 28        | 17.3               | 11.15  |   |
| 30        | 14.8               | 10.16                                       |   | 30        | 17.3               | 11.09  |   |
|           |                    |   |   | 32        | 17.3               | 11.01  |   |
| D.        | Declination South. | Equa. of Time to be subtr. fr. Appar. Time. | Sideral Time at mean noon.  | D.        | Declination South. | Eq. of T. to be subtr. fr. Ap. Time till 25th. | Sideral Time at mean noon.  |
|           | ° ' "              | m. s.                                       | h. m. s.  |           | ° ' "              | m. s.  | h. m. s.  |
| 1         | 14 29 54.9         | 16 15.62                                    | 14 42 37.44   | 1         | 21 51 7.1          | 10 40.82                                       | 16 40 54.10   |
| 2         | 14 49 0.4          | 16 16.50                                    | 14 46 34.00   | 2         | 22 0 9.6           | 10 17.85                                       | 16 44 50.66   |
| 3         | 15 7 51.5          | 16 16.57                                    | 14 50 30.55   | 3         | 22 8 46.7          | 9 54.36  | 16 48 47.22   |
| 4         | 15 26 27.7         | 16 15.81                                    | 14 54 27.11   | 4         | 22 16 58.0         | 9 30.05  | 16 52 43.77   |
| 5         | 15 44 48.6         | 16 14.22                                    | 14 58 23.66   | 5         | 22 24 43.4         | 9 5.26   | 16 56 40.33   |
| 6         | 16 2 54.0          | 16 11.77                                    | 15 2 20.22  | 6         | 22 32 2.6          | 8 39.91  | 17 0 36.89  |
| 7         | 16 20 43.4         | 16 8.47                                     | 15 6 16.77  | 7         | 22 38 55.4         | 8 14.03  | 17 4 33.44  |
| 8         | 16 38 16.3         | 16 4.32                                     | 15 10 13.32   | 8         | 22 45 21.6         | 7 47.63  | 17 8 30.00  |
| 9         | 16 55 32.4         | 15 59.30                                    | 15 14 9.86  | 9         | 22 51 21.0         | 7 20.75  | 17 12 26.56   |
| 10        | 17 12 31.4         | 15 53.41                                    | 15 18 6.43  | 10        | 22 56 53.4         | 6 53.42  | 17 16 23.11   |
| 11        | 17 29 12.7         | 15 46.66                                    | 15 22 2.99  | 11        | 23 1 58.5          | 6 25.67  | 17 20 19.67   |
| 12        | 17 45 35.9         | 15 39.04                                    | 15 26 59.54   | 12        | 23 6 36.2          | 5 57.53  | 17 24 16.23   |
| 13        | 18 1 40.7          | 15 30.56                                    | 15 29 56.10   | 13        | 23 10 46.4         | 5 29.03  | 17 28 13.79   |
| 14        | 18 17 26.7         | 15 21.23                                    | 15 33 52.65   | 14        | 23 14 28.9         | 5 0.22   | 17 32 9.34  |
| 15        | 18 32 53.3         | 15 11.06                                    | 15 37 49.21   | 15        | 23 17 43.5         | 4 31.14  | 17 36 5.90  |
| 16        | 18 48 0.3          | 15 0.08                                     | 15 41 45.77   | 16        | 23 20 30.2         | 4 1.81   | 17 40 2.46  |
| 17        | 19 2 47.3          | 14 48.17                                    | 15 45 42.32   | 17        | 23 22 48.9         | 3 32.27  | 17 43 59.01   |
| 18        | 19 17 13.7         | 14 35.48                                    | 15 49 38.88   | 18        | 23 24 39.4         | 3 2.57   | 17 47 55.57   |
| 19        | 19 31 19.3         | 14 21.99                                    | 15 53 35.43   | 19        | 23 26 1.7          | 2 32.74  | 17 51 52.13   |
| 20        | 19 45 3.6          | 14 7.70                                     | 15 57 31.99   | 20        | 23 26 55.8         | 2 2.82   | 17 55 48.69   |
| 21        | 19 58 26.3         | 13 52.60                                    | 16 1 28.54  | 21        | 23 27 21.5         | 1 32.83  | 17 59 45.24   |
| 22        | 20 11 27.0         | 13 36.73                                    | 16 5 25.10  | 22        | 23 27 18.9         | 1 2.83   | 18 3 41.80  |
| 23        | 20 24 5.4          | 13 20.10                                    | 16 9 21.65  | 23        | 23 26 48.0         | 0 32.84  | 18 7 38.36  |
| 24        | 20 36 21.0         | 13 2.71                                     | 16 13 18.21   | 24        | 23 25 48.7         | -0 2.91  | 18 11 34.92   |
| 25        | 20 48 13.6         | 12 44.57                                    | 16 17 14.77   | 25        | 23 24 21.2         | +0 26.98                                       | 18 15 31.47   |
| 26        | 20 59 42.8         | 12 25.69                                    | 16 21 11.32   | 26        | 23 22 25.4         | 0 56.71  | 18 19 28.03   |
| 27        | 21 10 48.3         | 12 6.10                                     | 16 25 7.88  | 27        | 23 20 1.4          | 1 26.31  | 18 23 24.69   |
| 28        | 21 21 29.8         | 11 45.81                                    | 16 29 4.43  | 28        | 23 17 9.2          | 1 55.75  | 18 27 21.14   |
| 29        | 21 31 46.9         | 11 24.82                                    | 16 33 0.99  | 29        | 23 13 49.0         | 2 24.97  | 18 31 17.70   |
| 30        | 21 41 29.5         | 11 3.15                                     | 16 36 57.55   | 30        | 23 10 0.8          | 2 53.97  | 18 35 14.26   |
| 31        | 21 51 7.1          | 10 40.82                                    | 16 40 54.10   | 31        | 23 5 44.8          | 3 22.71  | 18 39 10.82   |

*True Apparent Places of the Pole Star for every day of the year.*

Epoch. — The Upper Culmination at Greenwich.

| Day<br>of the<br>Month. | JANUARY.                                     |                    | FEBRUARY.                                    |                    | MARCH.                                       |                    | APRIL.                                       |                      | MAY.   |                    |
|-------------------------|--|--------------------|--|--------------------|--|--------------------|--|----------------------|--|--------------------|
|                         | = <i>Ursæ Minoris</i><br>( <i>Polaris</i> ). |                    | = <i>Ursæ Minoris</i><br>( <i>Polaris</i> ). |                    | = <i>Ursæ Minoris</i><br>( <i>Polaris</i> ). |                    | = <i>Ursæ Minoris</i><br>( <i>Polaris</i> ). |                      | = <i>Ursæ Minoris</i><br>( <i>Polaris</i> ). |                    |
|                         | Right Asc.                                   | Dec. North.        | Right Asc.                                   | Dec. North.        | Right Asc.                                   | Dec. North.        | Right Asc.                                   | Dec. North.          | Right Asc.                                   | Dec. North.        |
| 1849.                   | <sup>h.</sup><br>1                           | <sup>°</sup><br>88 | <sup>h.</sup><br>1                           | <sup>°</sup><br>88 | <sup>h.</sup><br>1                           | <sup>°</sup><br>88 | <sup>h.</sup><br>1                           | <sup>°</sup><br>88   | <sup>h.</sup><br>1                           | <sup>°</sup><br>88 |
| 1                       | m. s. / "                                    | m. s. / "          | m. s. / "                                    | m. s. / "          | m. s. / "                                    | m. s. / "          | m. s. / "                                    | m. s. / "            | m. s. / "                                    | m. s. / "          |
| 2                       | 5 10.66 30                                   | 32.0               | 4 45.16 30                                   | 31.5               | 4 26.75 30                                   | 26.1               | 4 17.99 30                                   | 17.0                 | 4 23.57 30                                   | 7.8                |
| 3                       | 9.84   | 32.1               | 44.39  | 31.4               | 26.26  | 25.9               | 17.95  | 16.7                 | 24.29  | 7.5                |
| 4                       | 9.02   | 32.2               | 43.62  | 31.2               | 25.78  | 25.7               | 17.92  | 16.4                 | 24.72  | 7.2                |
| 5                       | 8.19   | 32.3               | 42.86  | 31.0               | 25.31  | 25.4               | 17.92  | 16.0                 | 25.16  | 7.0                |
| 6                       | 7.36   | 32.4               | 42.10  | 30.9               | 24.84  | 25.1               | 17.92  | 15.7                 | 25.62  | 6.7                |
| 7                       | 6.51   | 32.4               | 41.35  | 30.8               | 24.39  | 24.8               | 17.94  | 15.4                 | 26.09  | 6.5                |
| 8                       | 5.67   | 32.4               | 40.61  | 30.6               | 23.96  | 24.5               | { 17.98 }<br>{ 18.05 }                       | { 15.1 }<br>{ 14.8 } | 26.57  | 6.3                |
| 9                       | 4.83   | 32.4               | 39.88  | 30.5               | 23.54  | 24.2               | 18.12  | 14.4                 | 27.07  | 6.0                |
| 10                      | 3.99   | 32.5               | 39.15  | 30.4               | 23.14  | 24.0               | 18.21  | 14.1                 | 27.58  | 5.8                |
| 11                      | 3.15   | 32.5               | 38.43  | 30.2               | 22.75  | 23.7               | 18.31  | 13.8                 | 28.09  | 5.6                |
| 12                      | 2.30   | 32.5               | 37.72  | 30.0               | 22.37  | 23.4               | 18.44  | 13.5                 | 28.61  | 5.3                |
| 13                      | 1.45   | 32.5               | 37.03  | 29.8               | 22.00  | 23.1               | 18.58  | 13.2                 | 29.14  | 5.1                |
| 14                      | 0.61   | 32.5               | 36.34  | 29.6               | 21.65  | 22.8               | 18.72  | 12.9                 | 29.69  | 4.9                |
| 15                      | 4 59.78                                      | 32.5               | 35.66  | 29.4               | 21.33  | 22.5               | 18.88  | 12.6                 | 30.26  | 4.7                |
| 16                      | 58.96  | 32.5               | 34.99  | 29.3               | 21.01  | 22.2               | 19.06  | 12.3                 | 30.83  | 4.5                |
| 17                      | 58.15  | 32.5               | 34.32  | 29.1               | 20.71  | 21.9               | 19.24  | 12.0                 | 31.41  | 4.3                |
| 18                      | 57.33  | 32.5               | 33.66  | 28.9               | 20.44  | 21.6               | 19.45  | 11.7                 | 32.00  | 4.1                |
| 19                      | 56.50  | 32.5               | 33.02  | 28.7               | 20.17  | 21.3               | 19.68  | 11.4                 | 32.60  | 3.9                |
| 20                      | 55.65  | 32.5               | 32.39  | 28.5               | 19.91  | 21.0               | 19.92  | 11.1                 | 33.21  | 3.7                |
| 21                      | 54.81  | 32.5               | 31.77  | 28.3               | 19.67  | 20.7               | 20.17  | 10.8                 | 33.83  | 3.5                |
| 22                      | 53.99  | 32.4               | 31.17  | 28.0               | 19.43  | 20.4               | 20.44  | 10.5                 | 34.46  | 3.3                |
| 23                      | 53.17  | 32.3               | 30.58  | 27.8               | 19.21  | 20.1               | 20.72  | 10.2                 | 35.10  | 3.1                |
| 24                      | 52.35  | 32.2               | 30.00  | 27.5               | 19.03  | 19.8               | 21.03  | 10.0                 | 35.74  | 2.9                |
| 25                      | 51.53  | 32.1               | 29.42  | 27.3               | 18.85  | 19.5               | 21.35  | 9.7                  | 36.39  | 2.8                |
| 26                      | 50.72  | 32.1               | 28.86  | 27.0               | 18.69  | 19.1               | 21.67  | 9.4                  | 37.05  | 2.7                |
| 27                      | 49.91  | 32.0               | 28.31  | 26.8               | 18.55  | 18.8               | 22.01  | 9.1                  | 37.72  | 2.5                |
| 28                      | 49.10  | 31.9               | 27.78  | 26.6               | 18.44  | 18.5               | 22.36  | 8.8                  | 38.40  | 2.3                |
| 29                      | 48.29  | 31.9               | 27.26  | 26.4               | 18.33  | 18.2               | 22.71  | 8.6                  | 39.09  | 2.2                |
| 30                      | 47.50  | 31.8               | 26.75  | 26.1               | 18.23  | 17.9               | 23.08  | 8.3                  | 39.79  | 2.0                |
| 31                      | 46.72  | 31.7               |  |                    | 18.13  | 17.6               | 23.47  | 8.0                  | 40.50  | 1.9                |
| 32                      | 45.94  | 31.6               |  |                    | 18.06  | 17.3               | 23.87  | 7.8                  | 41.21  | 1.8                |
|                         | 45.16  | 31.5               |  |                    | 17.99  | 17.0               |  |                      | 41.93  | 1.7                |

*True Apparent Places of the Pole Star for every day of the year.*

Epoch. — The Upper Culmination at Greenwich.

| Day<br>of the<br>Month. | JUNE.                        |             |  | JULY.                        |             |  | AUGUST.                      |             |  | SEPTEMBER.                   |             |   | OCTOBER.                     |             |  |
|-------------------------|------------------------------|-------------|--|------------------------------|-------------|--|------------------------------|-------------|--|------------------------------|-------------|---|------------------------------|-------------|--|
|                         | * Ursa Minoris<br>(Polaris). |             |  | * Ursa Minoris<br>(Polaris). |             |  | * Ursa Minoris<br>(Polaris). |             |  | * Ursa Minoris<br>(Polaris). |             |   | * Ursa Minoris<br>(Polaris). |             |  |
|                         | Right Asc.                   | Dec. North. |  | Right Asc.                   | Dec. North. |  | Right Asc.                   | Dec. North. |  | Right Asc.                   | Dec. North. |   | Right Asc.                   | Dec. North. |  |
| 1849.                   | h.<br>1                      | °<br>88     |  | h.<br>1                      | °<br>88     |  | h.<br>1                      | °<br>88     |  | h.<br>1                      | °<br>88     |   | h.<br>1                      | °<br>88     |  |
|                         | m. s. / "                    |             |  | m. s. / "                    |             |  | m. s. / "                    |             |  | m. s. / "                    |             |   | m. s. / "                    |             |  |
| 1                       | 4 41.92                      | 30 1.7      |  | 5 5.61                       | 30 0.3      |  | 5 30.24                      | 30 4.2      |  | 5 49.64                      | 30 12.3     |   | 5 59.68                      | 30 22.9     |  |
| 2                       | 42.66                        | 1.6         |  | 6.43                         | 0.4         |  | 30.97                        | 4.4         |  | 50.13                        | 12.7        |   | 59.84                        | 23.3        |  |
| 3                       | 43.39                        | 1.4         |  | 7.25                         | 0.4         |  | 31.70                        | 4.6         |  | 50.62                        | 13.0        |   | 59.99                        | 23.6        |  |
| 4                       | 44.13                        | 1.3         |  | 8.08                         | 0.5         |  | 32.42                        | 4.8         |  | 51.10                        | 13.3        | 6 | 0.12                         | 24.0        |  |
| 5                       | 44.87                        | 1.2         |  | 8.90                         | 0.6         |  | 33.13                        | 5.0         |  | 51.55                        | 13.7        |   | 0.24                         | 24.4        |  |
| 6                       | 45.62                        | 1.1         |  | 9.72                         | 0.6         |  | 33.83                        | 5.2         |  | 51.99                        | 14.0        |   | 0.35                         | 24.8        |  |
| 7                       | 46.38                        | 1.0         |  | 10.54                        | 0.7         |  | 34.53                        | 5.4         |  | 52.43                        | 14.3        |   | 0.45                         | 25.1        |  |
| 8                       | 47.13                        | 0.9         |  | 11.36                        | 0.7         |  | 35.23                        | 5.7         |  | 52.87                        | 14.7        |   | 0.53                         | 25.5        |  |
| 9                       | 47.89                        | 0.8         |  | 12.18                        | 0.8         |  | 35.92                        | 6.0         |  | 53.30                        | 15.0        |   | 0.58                         | 25.9        |  |
| 10                      | 48.63                        | 0.7         |  | 13.01                        | 0.9         |  | 36.60                        | 6.2         |  | 53.71                        | 15.3        |   | 0.62                         | 26.3        |  |
| 11                      | 49.44                        | 0.6         |  | 13.83                        | 1.0         |  | 37.28                        | 6.4         |  | 54.11                        | 15.6        |   | 0.66                         | 26.7        |  |
| 12                      | 50.22                        | 0.6         |  | 14.65                        | 1.1         |  | 37.95                        | 6.6         |  | 54.50                        | 16.0        |   | 0.69                         | 27.1        |  |
| 13                      | 51.00                        | 0.5         |  | 15.46                        | 1.2         |  | 38.61                        | 6.9         |  | 54.87                        | 16.3        |   | 0.71                         | 27.4        |  |
| 14                      | 51.80                        | 0.4         |  | 16.26                        | 1.3         |  | 39.27                        | 7.1         |  | 55.23                        | 16.7        |   | 0.70                         | 27.8        |  |
| 15                      | 52.60                        | 0.4         |  | 17.06                        | 1.4         |  | 39.92                        | 7.4         |  | 55.58                        | 17.0        |   | 0.70                         | 28.2        |  |
| 16                      | 53.39                        | 0.3         |  | 17.87                        | 1.5         |  | 40.56                        | 7.7         |  | 55.93                        | 17.4        |   | 0.67                         | 28.6        |  |
| 17                      | 54.18                        | 0.3         |  | 18.67                        | 1.7         |  | 41.19                        | 7.9         |  | 56.25                        | 17.8        |   | 0.64                         | 29.0        |  |
| 18                      | 54.97                        | 0.3         |  | 19.47                        | 1.8         |  | 41.82                        | 8.1         |  | 56.56                        | 18.1        |   | 0.60                         | 29.4        |  |
| 19                      | 55.78                        | 0.3         |  | 20.26                        | 1.9         |  | 42.45                        | 8.4         |  | 56.87                        | 18.5        |   | 0.55                         | 29.7        |  |
| 20                      | 56.59                        | 0.2         |  | 21.05                        | 2.1         |  | 43.07                        | 8.7         |  | 57.17                        | 18.8        |   | 0.47                         | 30.0        |  |
| 21                      | 57.40                        | 0.2         |  | 21.84                        | 2.2         |  | 43.67                        | 9.0         |  | 57.46                        | 19.2        |   | 0.37                         | 30.4        |  |
| 22                      | 58.21                        | 0.2         |  | 22.63                        | 2.4         |  | 44.26                        | 9.2         |  | 57.74                        | 19.6        |   | 0.26                         | 30.8        |  |
| 23                      | 59.03                        | 0.2         |  | 23.41                        | 2.5         |  | 44.84                        | 9.5         |  | 58.00                        | 20.0        |   | 0.15                         | 31.2        |  |
| 24                      | 59.85                        | 0.2         |  | 24.19                        | 2.7         |  | 45.41                        | 9.8         |  | 58.25                        | 20.3        |   | 0.03                         | 31.6        |  |
| 25                      | 5 0.66                       | 0.2         |  | 24.97                        | 2.9         |  | 45.97                        | 10.1        |  | 58.49                        | 20.7        | 5 | 59.90                        | 32.0        |  |
| 26                      | 1.48                         | 0.2         |  | 25.74                        | 3.1         |  | 46.52                        | 10.5        |  | 58.72                        | 21.1        |   | 59.75                        | 32.4        |  |
| 27                      | 2.30                         | 0.2         |  | 26.51                        | 3.2         |  | 47.06                        | 10.8        |  | 58.93                        | 21.4        |   | 59.59                        | 32.7        |  |
| 28                      | 3.12                         | 0.2         |  | 27.26                        | 3.4         |  | 47.59                        | 11.1        |  | 59.13                        | 21.8        |   | 59.42                        | 33.1        |  |
| 29                      | 3.95                         | 0.3         |  | 28.01                        | 3.6         |  | 48.12                        | 11.4        |  | 59.32                        | 22.1        |   | 59.22                        | 33.5        |  |
| 30                      | 4.78                         | 0.3         |  | 28.76                        | 3.8         |  | 48.64                        | 11.7        |  | 59.50                        | 22.5        |   | 59.01                        | 33.9        |  |
| 31                      | 5.61                         | 0.3         |  | 29.50                        | 4.0         |  | 49.15                        | 12.0        |  | 59.68                        | 22.9        |   | 58.80                        | 34.2        |  |
| 32                      |                              |             |  | 30.24                        | 4.2         |  | 49.64                        | 12.3        |  |                              |             |   | 58.57                        | 34.6        |  |

*True Apparent Places of the Pole Star for every day, and of Thirty-seven of the Principal Fixed Stars for every tenth day, of the year.*

Epoch. — The Upper Culmination at Greenwich.

| Day<br>of the<br>Month. | NOVEMBER.                    |             |            |             | DECEMBER.                    |             |            |             | Day<br>of the<br>Month. | ♄ Ursæ Minoris.<br>3 |             |            |             | ♄ Andromedæ.<br>1 |         |         |         |
|-------------------------|------------------------------|-------------|------------|-------------|------------------------------|-------------|------------|-------------|-------------------------|----------------------|-------------|------------|-------------|-------------------|---------|---------|---------|
|                         | ♄ Ursæ Minoris<br>(Polaris). |             |            |             | ♄ Ursæ Minoris<br>(Polaris). |             |            |             |                         | Right Asc.           |             |            |             | Dec. North.       |         |         |         |
|                         | Right Asc.                   | Dec. North. | Right Asc. | Dec. North. | Right Asc.                   | Dec. North. | Right Asc. | Dec. North. |                         | Right Asc.           | Dec. North. | Right Asc. | Dec. North. |                   |         |         |         |
| 1849.                   | h.<br>1                      | °<br>88     | h.<br>1    | °<br>88     | h.<br>1                      | °<br>88     | h.<br>1    | °<br>88     | 1849.                   | h.<br>18             | °<br>86     | h.<br>0    | °<br>28     | h.<br>0           | °<br>28 | h.<br>0 | °<br>28 |
|                         | m. s.                        | ' "         | m. s.      | ' "         | m. s.                        | ' "         | m. s.      | ' "         |                         | m. s.                | ' "         | m. s.      | ' "         | m. s.             | ' "     | m. s.   | ' "     |
| 1                       | 56.57                        | 30 34.6     | 5 45.56    | 30 44.0     | 5 45.56                      | 30 44.0     | 5 45.56    | 30 44.0     | Jan. 1                  | 20 42.65             | 35 55.3     | 0 35.28    | 15 30.7     | 0 35.28           | 15 30.7 | 0 35.28 | 15 30.7 |
| 2                       | 56.33                        | 34.9        | 45.26      | 44.3        | 45.26                        | 44.3        | 45.26      | 44.3        | 11                      | 42.95                | 52.0        | 35.13      | 29.6        | 35.13             | 29.6    | 35.13   | 29.6    |
| 3                       | 56.09                        | 35.2        | 44.67      | 44.5        | 44.67                        | 44.5        | 44.67      | 44.5        | 21                      | 43.90                | 48.7        | 34.99      | 28.3        | 34.99             | 28.3    | 34.99   | 28.3    |
| 4                       | 57.82                        | 35.6        | 44.07      | 44.8        | 44.07                        | 44.8        | 44.07      | 44.8        | 31                      | 45.55                | 45.7        | 34.87      | 26.8        | 34.87             | 26.8    | 34.87   | 26.8    |
| 5                       | 57.58                        | 36.0        | 43.44      | 45.0        | 43.44                        | 45.0        | 43.44      | 45.0        | Feb. 10                 | 47.82                | 43.0        | 34.76      | 25.2        | 34.76             | 25.2    | 34.76   | 25.2    |
| 6                       | 57.23                        | 36.3        | 42.79      | 45.2        | 42.79                        | 45.2        | 42.79      | 45.2        | 20                      | 50.57                | 40.8        | 34.68      | 23.5        | 34.68             | 23.5    | 34.68   | 23.5    |
| 7                       | 56.92                        | 36.7        | 42.14      | 45.5        | 42.14                        | 45.5        | 42.14      | 45.5        | Mar. 2                  | 53.76                | 39.1        | 34.64      | 21.8        | 34.64             | 21.8    | 34.64   | 21.8    |
| 8                       | 56.59                        | 37.0        | 41.48      | 45.7        | 41.48                        | 45.7        | 41.48      | 45.7        | 12                      | 57.23                | 38.0        | 34.63      | 20.3        | 34.63             | 20.3    | 34.63   | 20.3    |
| 9                       | 56.26                        | 37.3        | 40.80      | 45.9        | 40.80                        | 45.9        | 40.80      | 45.9        | 22                      | 31 0.83              | 37.5        | 34.66      | 18.8        | 34.66             | 18.8    | 34.66   | 18.8    |
| 10                      | 55.92                        | 37.7        | 40.12      | 46.1        | 40.12                        | 46.1        | 40.12      | 46.1        | Apr. 1                  | 4.46                 | 37.7        | 34.75      | 17.5        | 34.75             | 17.5    | 34.75   | 17.5    |
| 11                      | 55.57                        | 38.0        | 39.44      | 46.3        | 39.44                        | 46.3        | 39.44      | 46.3        | 11                      | 7.94                 | 38.4        | 34.87      | 16.7        | 34.87             | 16.7    | 34.87   | 16.7    |
| 12                      | 55.20                        | 38.3        | 38.74      | 46.5        | 38.74                        | 46.5        | 38.74      | 46.5        | 21                      | 11.16                | 39.7        | 35.04      | 16.2        | 35.04             | 16.2    | 35.04   | 16.2    |
| 13                      | 54.81                        | 38.6        | 38.04      | 46.7        | 38.04                        | 46.7        | 38.04      | 46.7        | May 1                   | 14.05                | 41.6        | 35.26      | 16.0        | 35.26             | 16.0    | 35.26   | 16.0    |
| 14                      | 54.41                        | 38.9        | 37.33      | 46.9        | 37.33                        | 46.9        | 37.33      | 46.9        | 11                      | 16.45                | 43.9        | 35.52      | 16.3        | 35.52             | 16.3    | 35.52   | 16.3    |
| 15                      | 54.01                        | 39.2        | 36.63      | 47.1        | 36.63                        | 47.1        | 36.63      | 47.1        | 21                      | 18.33                | 46.6        | 35.80      | 16.9        | 35.80             | 16.9    | 35.80   | 16.9    |
| 16                      | 53.69                        | 39.5        | 35.89      | 47.3        | 35.89                        | 47.3        | 35.89      | 47.3        | 31                      | 19.63                | 49.5        | 36.11      | 17.9        | 36.11             | 17.9    | 36.11   | 17.9    |
| 17                      | 53.16                        | 39.9        | 35.15      | 47.5        | 35.15                        | 47.5        | 35.15      | 47.5        | June 10                 | 20.30                | 52.6        | 36.44      | 19.3        | 36.44             | 19.3    | 36.44   | 19.3    |
| 18                      | 52.70                        | 40.2        | 34.41      | 47.7        | 34.41                        | 47.7        | 34.41      | 47.7        | 20                      | 20.33                | 55.8        | 36.78      | 21.0        | 36.78             | 21.0    | 36.78   | 21.0    |
| 19                      | 52.26                        | 40.5        | 33.66      | 47.9        | 33.66                        | 47.9        | 33.66      | 47.9        | 30                      | 19.74                | 59.0        | 37.11      | 22.9        | 37.11             | 22.9    | 37.11   | 22.9    |
| 20                      | 51.79                        | 40.9        | 32.90      | 48.1        | 32.90                        | 48.1        | 32.90      | 48.1        | July 10                 | 18.53                | 36 2.0      | 37.43      | 25.1        | 37.43             | 25.1    | 37.43   | 25.1    |
| 21                      | 51.33                        | 41.2        | 32.14      | 48.3        | 32.14                        | 48.3        | 32.14      | 48.3        | 20                      | 16.74                | 5.0         | 37.73      | 27.4        | 37.73             | 27.4    | 37.73   | 27.4    |
| 22                      | 50.84                        | 41.5        | 31.37      | 48.4        | 31.37                        | 48.4        | 31.37      | 48.4        | 30                      | 14.39                | 7.6         | 38.00      | 29.8        | 38.00             | 29.8    | 38.00   | 29.8    |
| 23                      | 50.34                        | 41.8        | 30.59      | 48.5        | 30.59                        | 48.5        | 30.59      | 48.5        | Aug. 9                  | 11.57                | 10.0        | 38.25      | 32.3        | 38.25             | 32.3    | 38.25   | 32.3    |
| 24                      | 49.81                        | 42.0        | 29.80      | 48.6        | 29.80                        | 48.6        | 29.80      | 48.6        | 19                      | 8.30                 | 12.1        | 38.45      | 34.7        | 38.45             | 34.7    | 38.45   | 34.7    |
| 25                      | 49.28                        | 42.3        | 29.00      | 48.8        | 29.00                        | 48.8        | 29.00      | 48.8        | 29                      | 4.70                 | 13.7        | 38.62      | 37.1        | 38.62             | 37.1    | 38.62   | 37.1    |
| 26                      | 48.74                        | 42.6        | 28.20      | 48.9        | 28.20                        | 48.9        | 28.20      | 48.9        | Sept. 8                 | 0.80                 | 14.9        | 38.75      | 39.4        | 38.75             | 39.4    | 38.75   | 39.4    |
| 27                      | 48.19                        | 42.9        | 27.40      | 49.0        | 27.40                        | 49.0        | 27.40      | 49.0        | 18                      | 20 56.71             | 15.7        | 38.88      | 41.5        | 38.88             | 41.5    | 38.88   | 41.5    |
| 28                      | 47.62                        | 43.2        | 26.60      | 49.1        | 26.60                        | 49.1        | 26.60      | 49.1        | 28                      | 52.52                | 15.9        | 38.88      | 43.5        | 38.88             | 43.5    | 38.88   | 43.5    |
| 29                      | 47.05                        | 43.5        | 25.80      | 49.2        | 25.80                        | 49.2        | 25.80      | 49.2        | Oct. 8                  | 48.31                | 15.7        | 38.89      | 45.2        | 38.89             | 45.2    | 38.89   | 45.2    |
| 30                      | 46.46                        | 43.7        | 25.00      | 49.3        | 25.00                        | 49.3        | 25.00      | 49.3        | 18                      | 44.17                | 15.0        | 38.86      | 46.7        | 38.86             | 46.7    | 38.86   | 46.7    |
| 31                      | 45.86                        | 44.0        | 24.20      | 49.4        | 24.20                        | 49.4        | 24.20      | 49.4        | 28                      | 40.22                | 13.8        | 38.80      | 47.9        | 38.80             | 47.9    | 38.80   | 47.9    |
| 32                      |                              |             | 23.39      | 49.5        | 23.39                        | 49.5        | 23.39      | 49.5        | Nov. 7                  | 36.55                | 12.0        | 38.72      | 48.8        | 38.72             | 48.8    | 38.72   | 48.8    |
|                         |                              |             |            |             |                              |             |            |             | 17                      | 33.24                | 9.9         | 38.62      | 49.5        | 38.62             | 49.5    | 38.62   | 49.5    |
|                         |                              |             |            |             |                              |             |            |             | 27                      | 30.42                | 7.3         | 38.50      | 49.8        | 38.50             | 49.8    | 38.50   | 49.8    |
|                         |                              |             |            |             |                              |             |            |             | Dec. 7                  | 26.14                | 4.4         | 38.36      | 49.8        | 38.36             | 49.8    | 38.36   | 49.8    |
|                         |                              |             |            |             |                              |             |            |             | 17                      | 26.52                | 1.2         | 38.21      | 49.5        | 38.21             | 49.5    | 38.21   | 49.5    |
|                         |                              |             |            |             |                              |             |            |             | 27                      | 25.50                | 35 57.5     | 38.07      | 48.8        | 38.07             | 48.8    | 38.07   | 48.8    |
|                         |                              |             |            |             |                              |             |            |             | 37                      |                      |             | 37.92      | 47.9        | 37.92             | 47.9    | 37.92   | 47.9    |

*True Apparent Places of Thirty-seven of the Principal Fixed Stars for every tenth day of the year.*

Epoch. — The Upper Culmination at Greenwich.

| Day of the Month. | ♌ Ceti.<br>2.3 |       |             |      | ♈ Arietis.<br>3 |       |             |      | ♈ Ceti.<br>2.3 |       |             |      | ♉ Tauri<br>(Aldebaran).<br>1 |       |             |      | ♉ Aurigæ<br>(Capella).<br>1 |       |             |      |
|-------------------|----------------|-------|-------------|------|-----------------|-------|-------------|------|----------------|-------|-------------|------|------------------------------|-------|-------------|------|-----------------------------|-------|-------------|------|
|                   | Right Asc.     |       | Dec. South. |      | Right Asc.      |       | Dec. North. |      | Right Asc.     |       | Dec. North. |      | Right Asc.                   |       | Dec. North. |      | Right Asc.                  |       | Dec. North. |      |
|                   | h              | m.    | s.          | °    | h               | m.    | s.          | °    | h              | m.    | s.          | °    | h                            | m.    | s.          | °    | h                           | m.    | s.          | °    |
| 1849.             | 0              |       |             | 18   | 1               |       |             | 22   | 2              |       |             | 3    | 4                            |       |             | 16   | 5                           |       |             | 45   |
| Jan. 1            | 35             | 59.87 | 49          | 10.5 | 58              | 40.67 | 44          | 44.8 | 54             | 23.98 | 29          | 29.9 | 27                           | 16.02 | 11          | 55.7 | 5                           | 34.08 | 50          | 11.4 |
| 11                |                | 59.73 |             | 11.0 |                 | 40.54 |             | 44.4 |                | 23.98 |             | 29.2 |                              | 16.58 |             | 55.5 |                             | 34.05 |             | 12.7 |
| 21                |                | 59.60 |             | 11.3 |                 | 40.39 |             | 43.8 |                | 23.76 |             | 28.5 |                              | 16.49 |             | 55.2 |                             | 33.96 |             | 13.9 |
| 31                |                | 59.48 |             | 11.3 |                 | 40.23 |             | 43.1 |                | 23.61 |             | 27.9 |                              | 16.37 |             | 55.0 |                             | 33.81 |             | 14.9 |
| Feb. 10           |                | 59.37 |             | 11.0 |                 | 40.07 |             | 42.3 |                | 23.45 |             | 27.4 |                              | 16.22 |             | 54.7 |                             | 33.62 |             | 15.7 |
| 20                |                | 59.26 |             | 10.4 |                 | 39.91 |             | 41.3 |                | 23.29 |             | 27.0 |                              | 16.08 |             | 54.4 |                             | 33.39 |             | 16.2 |
| Mar. 2            |                | 59.21 |             | 9.5  |                 | 39.77 |             | 40.4 |                | 23.14 |             | 26.7 |                              | 15.87 |             | 54.2 |                             | 33.14 |             | 16.4 |
| 12                |                | 59.18 |             | 8.4  |                 | 39.65 |             | 49.4 |                | 22.99 |             | 26.6 |                              | 15.68 |             | 53.9 |                             | 32.87 |             | 16.2 |
| 22                |                | 59.17 |             | 7.1  |                 | 39.57 |             | 38.5 |                | 22.87 |             | 26.6 |                              | 15.51 |             | 53.6 |                             | 32.61 |             | 15.8 |
| Apr. 1            | ♊              | 59.22 |             | 5.3  |                 | 39.53 |             | 37.6 |                | 22.78 |             | 26.8 |                              | 15.36 |             | 53.4 |                             | 32.37 |             | 15.1 |
| 11                |                | 59.30 |             | 3.5  |                 | 39.52 |             | 37.0 |                | 22.73 |             | 27.3 |                              | 15.23 |             | 53.3 |                             | 32.16 |             | 14.2 |
| 21                |                | 59.42 |             | 1.5  |                 | 39.57 |             | 36.5 |                | 22.71 |             | 27.9 |                              | 15.13 |             | 53.2 |                             | 31.99 |             | 13.1 |
| May 1             |                | 59.56 | 48          | 59.3 | ♊               | 39.67 |             | 36.2 |                | 22.74 |             | 28.7 |                              | 15.06 |             | 53.2 |                             | 31.87 |             | 11.8 |
| 11                |                | 59.79 |             | 57.0 |                 | 39.82 |             | 36.3 | ♊              | 22.83 |             | 29.8 |                              | 15.08 |             | 53.4 |                             | 31.81 |             | 10.5 |
| 21                | ♋              | 0.08  |             | 54.7 |                 | 40.01 |             | 36.6 |                | 22.96 |             | 31.1 | ♊                            | 15.12 |             | 53.7 |                             | 31.81 |             | 9.1  |
| 31                |                | 0.30  |             | 52.4 |                 | 40.24 |             | 37.2 |                | 23.12 |             | 32.5 | ♊                            | 15.22 |             | 54.1 | ♊                           | 31.87 |             | 7.8  |
| June 10           |                | 0.59  |             | 50.1 |                 | 40.51 |             | 38.1 |                | 23.33 |             | 34.0 |                              | 15.36 |             | 54.7 |                             | 32.01 |             | 6.4  |
| 20                |                | 0.90  |             | 47.9 |                 | 40.80 |             | 39.2 |                | 23.56 |             | 35.7 |                              | 15.54 |             | 55.5 |                             | 32.20 |             | 5.3  |
| 30                |                | 1.22  |             | 45.9 |                 | 41.11 |             | 40.5 |                | 23.83 |             | 37.4 |                              | 15.75 |             | 56.3 |                             | 32.44 |             | 4.3  |
| July 10           |                | 1.53  |             | 44.2 |                 | 41.43 |             | 42.0 |                | 24.11 |             | 39.2 |                              | 15.99 |             | 57.2 |                             | 32.72 |             | 3.5  |
| 20                |                | 1.84  |             | 42.7 |                 | 41.76 |             | 43.7 |                | 24.40 |             | 40.9 |                              | 16.26 |             | 58.2 |                             | 33.04 |             | 2.9  |
| 30                |                | 2.13  |             | 41.5 |                 | 42.08 |             | 45.4 |                | 24.70 |             | 42.5 |                              | 16.54 |             | 59.2 |                             | 33.39 |             | 2.5  |
| Aug. 9            |                | 2.40  |             | 40.6 |                 | 42.38 |             | 47.2 |                | 24.99 |             | 44.0 |                              | 16.83 | 12          | 0.2  |                             | 33.76 |             | 2.4  |
| 19                |                | 2.63  |             | 40.1 |                 | 42.67 |             | 49.0 |                | 25.28 |             | 45.4 |                              | 17.13 |             | 1.2  |                             | 34.15 |             | 2.4  |
| 29                |                | 2.83  |             | 40.0 |                 | 42.93 |             | 50.8 |                | 25.56 |             | 46.5 |                              | 17.43 |             | 2.1  |                             | 34.55 |             | 2.5  |
| Sept. 8           |                | 2.99  |             | 40.2 |                 | 43.17 |             | 52.4 |                | 25.80 |             | 47.4 |                              | 17.72 |             | 2.9  |                             | 34.95 |             | 2.9  |
| 18                |                | 3.12  |             | 40.7 |                 | 43.37 |             | 54.0 |                | 26.03 |             | 48.0 |                              | 18.01 |             | 3.5  |                             | 35.35 |             | 3.5  |
| 28                |                | 3.20  |             | 41.5 |                 | 43.55 |             | 55.5 |                | 26.24 |             | 48.4 |                              | 18.29 |             | 4.1  |                             | 35.74 |             | 4.2  |
| Oct. 8            |                | 3.25  |             | 42.5 |                 | 43.69 |             | 56.8 |                | 26.42 |             | 48.6 |                              | 18.55 |             | 4.5  |                             | 36.12 |             | 5.0  |
| 18                |                | 3.26  |             | 43.7 |                 | 43.80 |             | 57.9 |                | 26.58 |             | 48.5 |                              | 18.79 |             | 4.7  |                             | 36.48 |             | 6.0  |
| 28                |                | 3.24  |             | 45.1 |                 | 43.87 |             | 58.9 |                | 26.70 |             | 48.2 |                              | 19.01 |             | 4.8  |                             | 36.82 |             | 7.1  |
| Nov. 7            |                | 3.19  |             | 46.5 |                 | 43.92 |             | 59.7 |                | 26.80 |             | 47.7 |                              | 19.20 |             | 4.8  |                             | 37.13 |             | 8.4  |
| 17                |                | 3.11  |             | 47.9 |                 | 43.93 | 45          | 0.3  |                | 26.86 |             | 47.1 |                              | 19.37 |             | 4.7  |                             | 37.40 |             | 9.8  |
| 27                |                | 3.02  |             | 49.2 |                 | 43.92 |             | 0.7  |                | 26.90 |             | 46.4 |                              | 19.51 |             | 4.6  |                             | 37.63 |             | 11.2 |
| Dec. 7            |                | 2.91  |             | 50.4 |                 | 43.87 |             | 1.0  |                | 26.90 |             | 45.6 |                              | 19.60 |             | 4.4  |                             | 37.81 |             | 12.7 |
| 17                |                | 2.79  |             | 51.4 |                 | 43.80 |             | 1.1  |                | 26.87 |             | 44.9 |                              | 19.66 |             | 4.2  |                             | 37.93 |             | 14.2 |
| 27                |                | 2.66  |             | 52.3 |                 | 43.70 |             | 1.0  |                | 26.81 |             | 44.1 |                              | 19.68 |             | 4.0  |                             | 38.00 |             | 16.7 |
| 37                |                | 2.52  |             | 52.9 |                 | 43.58 |             | 0.7  |                | 26.72 |             | 43.3 |                              | 19.66 |             | 3.7  |                             | 38.00 |             | 17.1 |



*True Apparent Places of Thirty-seven of the Principal Fixed Stars for every tenth day of the year.*

Epoch. — The Upper Culmination at Greenwich.

| Day<br>of the<br>Month. | $\beta$ Orionis<br>(Rigel).<br>1 |                | $\beta$ Tauri.<br>2    |                | $\delta$ Orionis.<br>2 |                | $\alpha$ Orionis<br>1 |                | $\gamma$ Canis Majoris<br>(Sirius).<br>1 |                |
|-------------------------|----------------------------------|----------------|------------------------|----------------|------------------------|----------------|-----------------------|----------------|--|----------------|
|                         | Right<br>Asc.                    | Dec.<br>South. | Right<br>Asc.          | Dec.<br>North. | Right<br>Asc.          | Dec.<br>South. | Right<br>Asc.         | Dec.<br>North. | Right<br>Asc.                            | Dec.<br>South. |
|                         | h.<br>5                          | m.<br>0        | h.<br>5                | m.<br>28       | h.<br>5                | m.<br>0        | h.<br>5               | m.<br>7        | h.<br>6                                  | m.<br>16       |
| 1849.                   | m. s. / "                        | m. s. / "      | m. s. / "              | m. s. / "      | m. s. / "              | m. s. / "      | m. s. / "             | m. s. / "      | m. s. / "                                | m. s. / "      |
| Jan. 1                  | 7 17.94 <sup>23</sup>            | 2.5            | 16 46.18 <sup>28</sup> | 19.5           | 24 18.70 <sup>25</sup> | 7.5            | 47 0.94 <sup>22</sup> | 15.1           | 38 30.93 <sup>30</sup>                   | 58.9           |
| 11                      | 17.91                            | 4.0            | 46.18                  | 19.9           | 18.70                  | 8.7            | 0.96                  | 14.4           | 30.98 <sup>31</sup>                      | 1.1            |
| 21                      | 17.86                            | 5.3            | 46.12                  | 20.3           | 18.65                  | 9.7            | 0.93                  | 13.7           | 30.98                                    | 3.2            |
| 31                      | 17.74                            | 6.4            | 46.02                  | 20.6           | 18.56                  | 10.6           | 0.87                  | 13.1           | 30.93                                    | 5.1            |
| Feb. 10                 | 17.69                            | 7.3            | 45.88                  | 20.9           | 18.44                  | 11.3           | 0.76                  | 12.6           | 30.84                                    | 6.7            |
| 20                      | 17.44                            | 7.9            | 45.71                  | 21.0           | 18.28                  | 11.8           | 0.62                  | 12.3           | 30.70                                    | 7.9            |
| Mar. 2                  | 17.26                            | 8.3            | 45.52                  | 21.1           | 18.11                  | 12.1           | 0.45                  | 12.1           | 30.54                                    | 8.9            |
| 12                      | 17.07                            | 8.4            | 45.31                  | 21.0           | 17.93                  | 12.3           | 0.27                  | 12.0           | 30.36                                    | 9.6            |
| 22                      | 16.88                            | 8.3            | 45.11                  | 20.8           | 17.75                  | 12.3           | 0.09                  | 11.9           | 30.16                                    | 9.9            |
| Apr. 1                  | 16.70                            | 7.9            | 44.91                  | 20.5           | 17.57                  | 12.1           | 46 59.91              | 12.0           | 29.96                                    | 9.9            |
| 11                      | 16.55                            | 7.3            | 44.74                  | 20.1           | 17.41                  | 11.7           | 59.74                 | 12.2           | 29.77                                    | 9.5            |
| 21                      | 16.42                            | 6.4            | 44.61                  | 19.6           | 17.28                  | 11.1           | 59.60                 | 12.5           | 29.59                                    | 8.9            |
| May 1                   | 16.33                            | 5.3            | 44.51                  | 19.1           | 17.18                  | 10.3           | 59.49                 | 13.0           | 29.43                                    | 8.0            |
| 11                      | 16.28                            | 3.9            | 44.46                  | 18.7           | 17.13                  | 9.4            | 59.42                 | 13.5           | 29.31                                    | 6.8            |
| 21                      | 16.27                            | 2.4            | 44.46                  | 18.3           | 17.11                  | 8.3            | 59.39                 | 14.2           | 29.22                                    | 5.4            |
| 31                      | 16.31                            | 0.7            | 44.50                  | 17.9           | 17.13                  | 7.1            | 59.40                 | 14.9           | 29.17                                    | 3.7            |
| June 10                 | 16.39 <sup>22</sup>              | 58.7           | 44.60                  | 17.6           | 17.20                  | 5.8            | 59.46                 | 15.8           | 29.16                                    | 1.9            |
| 20                      | 16.52                            | 56.8           | 44.76                  | 17.4           | 17.33                  | 4.1            | 59.56                 | 16.9           | 29.18 <sup>30</sup>                      | 69.9           |
| 30                      | 16.68                            | 54.8           | 44.94                  | 17.3           | 17.48                  | 2.6            | 59.70                 | 17.9           | 29.25                                    | 57.8           |
| July 10                 | 16.87                            | 52.9           | 45.17                  | 17.4           | 17.66                  | 1.1            | 59.87                 | 19.0           | 29.36                                    | 55.4           |
| 20                      | 17.09                            | 51.0           | 45.42                  | 17.6           | 17.87 <sup>24</sup>    | 59.6           | 47 0.06               | 20.1           | 29.50                                    | 53.4           |
| 30                      | 17.33                            | 49.2           | 45.70                  | 17.8           | 18.10                  | 58.1           | 0.29                  | 21.1           | 29.67                                    | 51.4           |
| Aug. 9                  | 17.59                            | 47.6           | 46.00                  | 18.1           | 18.35                  | 56.8           | 0.53                  | 22.0           | 29.87                                    | 49.6           |
| 19                      | 17.86                            | 46.3           | 46.31                  | 18.4           | 18.62                  | 55.7           | 0.79                  | 22.9           | 30.09                                    | 48.0           |
| 29                      | 18.13                            | 45.3           | 46.63                  | 18.8           | 18.89                  | 54.8           | 1.07                  | 23.6           | 30.33                                    | 46.8           |
| Sept. 8                 | 18.41                            | 44.6           | 46.95                  | 19.3           | 19.17                  | 54.2           | 1.35                  | 24.1           | 30.59                                    | 45.9           |
| 18                      | 18.69                            | 44.3           | 47.27                  | 19.7           | 19.45                  | 53.8           | 1.63                  | 24.4           | 30.86                                    | 45.4           |
| 28                      | 18.97                            | 44.4           | 47.59                  | 20.1           | 19.73                  | 53.8           | 1.92                  | 24.4           | 31.14                                    | 45.3           |
| Oct. 8                  | 19.23                            | 44.8           | 47.90                  | 20.5           | 20.00                  | 54.0           | 2.20                  | 24.3           | 31.42                                    | 45.7           |
| 18                      | 19.48                            | 45.5           | 48.20                  | 20.9           | 20.26                  | 54.5           | 2.47                  | 23.9           | 31.71                                    | 46.5           |
| 28                      | 19.71                            | 46.6           | 48.48                  | 21.2           | 20.51                  | 55.3           | 2.73                  | 23.3           | 31.99                                    | 47.7           |
| Nov. 7                  | 19.92                            | 47.9           | 48.74                  | 21.6           | 20.73                  | 56.3           | 2.98                  | 22.6           | 32.26                                    | 49.3           |
| 17                      | 20.11                            | 49.4           | 48.97                  | 21.9           | 20.94                  | 57.5           | 3.21                  | 21.7           | 32.52                                    | 51.2           |
| 27                      | 20.26                            | 51.1           | 49.17                  | 22.3           | 21.11                  | 58.8           | 3.41                  | 20.8           | 32.75                                    | 53.4           |
| Dec. 7                  | 20.38                            | 52.9           | 49.34                  | 22.8           | 21.26 <sup>25</sup>    | 0.1            | 3.58                  | 19.8           | 32.95                                    | 55.7           |
| 17                      | 20.46                            | 54.6           | 49.46                  | 23.2           | 21.36                  | 1.5            | 3.71                  | 18.8           | 33.11                                    | 58.1           |
| 27                      | 20.50                            | 56.3           | 49.53                  | 23.7           | 21.42                  | 2.8            | 3.80                  | 17.9           | 33.23 <sup>31</sup>                      | 0.5            |
| 37                      | 20.50                            | 57.9           | 49.56                  | 24.1           | 21.44                  | 4.0            | 3.85                  | 17.1           | 33.31                                    | 2.8            |

*True Apparent Places of Thirty-seven of the Principal Fixed Stars for every tenth day of the year.*

Epoch. — The Upper Culmination at Greenwich.

| Day<br>of the<br>Month. | α <sup>2</sup> Geminorum<br>(Castor).<br>3 |       |             |      | α Canis Minoris<br>(Procyon).<br>1.2 |       |             |      | β Geminorum<br>(Pollux).<br>2 |       |             |      | α Hydra.<br>2 |       |             |      | γ Leonis<br>(Regulus).<br>1 |       |             |      |
|-------------------------|--|-------|-------------|------|--------------------------------------|-------|-------------|------|-------------------------------|-------|-------------|------|---------------|-------|-------------|------|-----------------------------|-------|-------------|------|
|                         | Right Asc.                                 |       | Dec. North. |      | Right Asc.                           |       | Dec. North. |      | Right Asc.                    |       | Dec. North. |      | Right Asc.    |       | Dec. South. |      | Right Asc.                  |       | Dec. North. |      |
|                         | h  | m. s. | °           | ' "  | h                                    | m. s. | °           | ' "  | h                             | m. s. | °           | ' "  | h             | m. s. | °           | ' "  | h                           | m. s. | °           | ' "  |
| 1849.                   | 7  |       | 32          |      | 7                                    |       | 5           |      | 7                             |       | 28          |      | 9             |       | 0           |      | 10                          |       | 12          |      |
| Jan. 1                  | 24   | 58.57 | 12          | 38.4 | 31                                   | 24.65 | 36          | 17.8 | 36                            | 5.18  | 23          | 57.6 | 20            | 10.53 | 0           | 29.4 | 0                           | 20.04 | 42          | 2.3  |
| 11                      |  | 58.71 |             | 38.9 |                                      | 24.76 |             | 16.6 |                               | 5.33  |             | 57.8 |               | 11.04 |             | 31.6 |                             | 20.29 |             | 1.0  |
| 21                      |  | 58.79 |             | 39.6 |                                      | 24.83 |             | 15.6 |                               | 5.42  |             | 58.2 |               | 11.21 |             | 33.6 |                             | 20.51 |             | 0.0  |
| 31                      |  | 58.81 |             | 40.4 |                                      | 24.85 |             | 14.7 |                               | 5.45  |             | 58.7 |               | 11.33 |             | 35.5 |                             | 20.69 | 41          | 59.2 |
| Feb. 10                 |  | 58.78 |             | 41.2 |                                      | 24.82 |             | 14.1 |                               | 5.43  |             | 59.3 |               | 11.40 |             | 37.2 |                             | 20.80 |             | 58.7 |
| 20                      |  | 58.69 |             | 42.0 |                                      | 24.75 |             | 13.6 |                               | 5.35  | 23          | 0.0  |               | 11.42 |             | 38.6 |                             | 20.87 |             | 58.5 |
| Mar. 2                  |  | 58.56 |             | 42.8 |                                      | 24.64 |             | 13.2 |                               | 5.23  |             | 0.7  |               | 11.59 |             | 39.8 |                             | 20.89 |             | 58.5 |
| 12                      |  | 58.39 |             | 43.6 |                                      | 24.50 |             | 13.1 |                               | 5.08  |             | 1.4  |               | 11.33 |             | 40.7 |                             | 20.87 |             | 58.7 |
| 22                      |  | 58.20 |             | 44.2 |                                      | 24.33 |             | 13.0 |                               | 4.90  |             | 2.0  |               | 11.23 |             | 41.4 |                             | 20.81 |             | 59.0 |
| Apr. 1                  |  | 57.99 |             | 44.7 |                                      | 24.16 |             | 13.1 |                               | 4.70  |             | 2.5  |               | 11.11 |             | 41.8 |                             | 20.72 |             | 59.5 |
| 11                      |  | 57.79 |             | 45.0 |                                      | 23.98 |             | 13.3 |                               | 4.51  |             | 2.9  |               | 10.97 |             | 42.0 |                             | 20.60 | 42          | 0.1  |
| 21                      |  | 57.59 |             | 45.2 |                                      | 23.81 |             | 13.7 |                               | 4.32  |             | 3.1  |               | 10.82 |             | 41.9 |                             | 20.47 |             | 0.8  |
| May 1                   |  | 57.41 |             | 45.2 |                                      | 23.66 |             | 14.1 |                               | 4.14  |             | 3.3  |               | 10.67 |             | 41.7 |                             | 20.33 |             | 1.4  |
| 11                      |  | 57.27 |             | 45.0 |                                      | 23.53 |             | 14.6 |                               | 4.00  |             | 3.3  |               | 10.52 |             | 41.2 |                             | 20.19 |             | 2.1  |
| 21                      |  | 57.15 |             | 44.7 |                                      | 23.43 |             | 15.2 |                               | 3.89  |             | 3.2  |               | 10.39 |             | 40.6 |                             | 20.06 |             | 2.7  |
| 31                      |  | 57.08 |             | 44.3 |                                      | 23.36 |             | 15.8 |                               | 3.81  |             | 3.0  |               | 10.27 |             | 39.8 |                             | 19.94 |             | 3.3  |
| June 10                 |  | 57.06 |             | 43.8 |                                      | 23.33 |             | 16.6 |                               | 3.77  |             | 2.7  |               | 10.17 |             | 38.9 |                             | 19.83 |             | 3.9  |
| 20                      |  | 57.06 |             | 43.2 |                                      | 23.33 |             | 17.4 |                               | 3.77  |             | 2.3  |               | 10.09 |             | 37.8 |                             | 19.74 |             | 4.3  |
| 30                      |  | 57.12 |             | 42.6 |                                      | 23.37 |             | 18.2 |                               | 3.81  |             | 1.9  |               | 10.04 |             | 36.6 |                             | 19.67 |             | 4.7  |
| July 10                 | 6  | 57.21 |             | 42.0 | 6                                    | 23.43 |             | 19.0 | 6                             | 3.89  |             | 1.4  |               | 10.01 |             | 35.4 |                             | 19.63 |             | 5.0  |
| 20                      |  | 57.36 |             | 41.2 |                                      | 23.55 |             | 19.9 | 6                             | 4.02  |             | 0.9  |               | 10.01 |             | 34.2 |                             | 19.60 |             | 5.2  |
| 30                      |  | 57.53 |             | 40.5 |                                      | 23.69 |             | 20.7 |                               | 4.17  |             | 0.3  |               | 10.03 |             | 32.9 |                             | 19.60 |             | 5.3  |
| Aug. 9                  |  | 57.73 |             | 39.8 |                                      | 23.85 |             | 21.4 |                               | 4.36  | 23          | 59.8 | 6             | 10.08 |             | 31.7 |                             | 19.63 |             | 5.3  |
| 19                      |  | 57.97 |             | 39.0 |                                      | 24.03 |             | 21.9 |                               | 4.57  |             | 59.1 | 6             | 10.17 |             | 30.5 | 6                           | 19.67 |             | 5.1  |
| 29                      |  | 58.23 |             | 38.3 |                                      | 24.24 |             | 22.3 |                               | 4.81  |             | 58.5 |               | 10.28 |             | 29.6 | 6                           | 19.76 |             | 4.7  |
| Sept. 8                 |  | 58.51 |             | 37.5 |                                      | 24.48 |             | 22.5 |                               | 5.07  |             | 57.8 |               | 10.42 |             | 28.9 |                             | 19.88 |             | 4.1  |
| 18                      |  | 58.81 |             | 36.8 |                                      | 24.73 |             | 22.4 |                               | 5.35  |             | 57.1 |               | 10.59 |             | 28.5 |                             | 20.02 |             | 3.4  |
| 28                      |  | 59.13 |             | 36.0 |                                      | 24.99 |             | 22.2 |                               | 5.65  |             | 56.3 |               | 10.80 |             | 28.4 |                             | 20.19 |             | 2.5  |
| Oct. 8                  |  | 59.46 |             | 35.3 |                                      | 25.27 |             | 21.7 |                               | 5.97  |             | 55.5 |               | 11.03 |             | 28.6 |                             | 20.40 |             | 1.3  |
| 18                      |  | 59.80 |             | 34.6 |                                      | 25.56 |             | 20.9 |                               | 6.30  |             | 54.7 |               | 11.28 |             | 29.2 |                             | 20.63 |             | 0.0  |
| 28                      | 25   | 0.15  |             | 34.0 |                                      | 25.85 |             | 19.9 |                               | 6.63  |             | 53.9 |               | 11.56 |             | 30.1 |                             | 20.90 | 41          | 58.5 |
| Nov. 7                  |  | 0.49  |             | 33.4 |                                      | 26.15 |             | 18.7 |                               | 6.97  |             | 53.2 |               | 11.85 |             | 31.4 |                             | 21.19 |             | 56.8 |
| 17                      |  | 0.83  |             | 33.0 |                                      | 26.43 |             | 17.4 |                               | 7.30  |             | 52.6 |               | 12.16 |             | 33.0 |                             | 21.50 |             | 55.0 |
| 27                      |  | 1.15  |             | 32.7 |                                      | 26.71 |             | 16.0 |                               | 7.61  |             | 52.0 |               | 12.47 |             | 34.8 |                             | 21.82 |             | 53.2 |
| Dec. 7                  |  | 1.45  |             | 32.6 |                                      | 26.96 |             | 14.6 |                               | 7.90  |             | 51.6 |               | 12.77 |             | 36.8 |                             | 22.14 |             | 51.5 |
| 17                      |  | 1.71  |             | 32.7 |                                      | 27.19 |             | 13.2 |                               | 8.17  |             | 51.4 |               | 13.06 |             | 38.9 |                             | 22.48 |             | 49.8 |
| 27                      |  | 1.92  |             | 32.9 |                                      | 27.37 |             | 11.8 |                               | 8.39  |             | 51.4 |               | 13.33 |             | 41.1 |                             | 22.76 |             | 48.2 |
| 37                      |  | 2.09  |             | 33.3 |                                      | 27.51 |             | 10.5 |                               | 8.56  |             | 51.5 |               | 13.56 |             | 43.3 |                             | 23.04 |             | 46.8 |

*True Apparent Places of Thirty-seven of the Principal Fixed Stars for every tenth day of the year.*

Epoch. — The Upper Culmination at Greenwich.

| Day<br>of the<br>Month. | α Ursæ Majoris.<br>1.2 |    |             |    | β Leonis.<br>2.3 |    |             |    | α Virginis<br>(Spica).<br>1 |    |             |    | α Bootis<br>(Arcturus).<br>1 |    |             |    | α <sup>2</sup> Libræ.<br>3 |    |             |    |      |
|-------------------------|------------------------|----|-------------|----|------------------|----|-------------|----|-----------------------------|----|-------------|----|------------------------------|----|-------------|----|----------------------------|----|-------------|----|------|
|                         | Right Asc.             |    | Dec. North. |    | Right Asc.       |    | Dec. North. |    | Right Asc.                  |    | Dec. South. |    | Right Asc.                   |    | Dec. North. |    | Right Asc.                 |    | Dec. South. |    |      |
|                         | h.                     | m. | s.          | °  | h.               | m. | s.          | °  | h.                          | m. | s.          | °  | h.                           | m. | s.          | °  | h.                         | m. | s.          | °  |      |
| 1849.                   | 10                     | 54 | 21.79       | 62 | 11               | 41 | 21.16       | 15 | 13                          | 17 | 14.26       | 23 | 11.1                         | 8  | 45.64       | 56 | 13.4                       | 42 | 31.15       | 24 | 29.1 |
| Jan. 1                  | 22.32                  |    | 35.7        |    | 21.46            |    | 49.7        |    | 14.58                       |    | 13.1        |    | 45.55                        |    | 11.1        |    | 31.46                      |    | 30.6        |    |      |
| 11                      | 22.80                  |    | 36.7        |    | 21.75            |    | 48.4        |    | 14.89                       |    | 15.0        |    | 46.18                        |    | 9.2         |    | 31.78                      |    | 32.2        |    |      |
| 21                      | 23.20                  |    | 38.2        |    | 22.00            |    | 47.4        |    | 15.19                       |    | 16.9        |    | 46.49                        |    | 7.7         |    | 32.10                      |    | 33.8        |    |      |
| 31                      | 23.62                  |    | 40.2        |    | 22.22            |    | 46.8        |    | 15.46                       |    | 18.7        |    | 46.79                        |    | 6.6         |    | 32.41                      |    | 35.4        |    |      |
| Feb. 10                 | 23.74                  |    | 42.5        |    | 22.39            |    | 46.5        |    | 15.71                       |    | 20.3        |    | 47.07                        |    | 5.9         |    | 32.71                      |    | 36.9        |    |      |
| 20                      | 23.87                  |    | 45.0        |    | 22.52            |    | 46.5        |    | 15.91                       |    | 21.8        |    | 47.33                        |    | 5.7         |    | 32.98                      |    | 38.2        |    |      |
| Mar. 2                  | 23.91                  |    | 47.7        |    | 22.60            |    | 46.8        |    | 16.09                       |    | 23.0        |    | 47.55                        |    | 5.9         |    | 33.22                      |    | 39.4        |    |      |
| 12                      | 23.85                  |    | 50.4        |    | 22.64            |    | 47.4        |    | 16.23                       |    | 23.9        |    | 47.73                        |    | 6.4         |    | 33.44                      |    | 40.4        |    |      |
| 22                      | 23.71                  |    | 53.1        |    | 22.64            |    | 48.1        |    | 16.33                       |    | 24.6        |    | 47.88                        |    | 7.4         |    | 33.63                      |    | 41.8        |    |      |
| Apr. 1                  | 23.50                  |    | 55.5        |    | 22.60            |    | 49.0        |    | 16.40                       |    | 25.2        |    | 47.99                        |    | 8.6         |    | 33.79                      |    | 41.9        |    |      |
| 11                      | 23.24                  |    | 57.8        |    | 22.54            |    | 50.0        |    | 16.44                       |    | 25.5        |    | 48.07                        |    | 10.0        |    | 33.92                      |    | 42.4        |    |      |
| 21                      | 22.93                  |    | 59.4        |    | 22.46            |    | 51.1        |    | 16.45                       |    | 25.6        |    | 48.12                        |    | 11.6        |    | 34.02                      |    | 42.8        |    |      |
| May 1                   | 22.59                  | 34 | 0.8         |    | 22.37            |    | 52.1        |    | 16.44                       |    | 25.6        |    | 48.14                        |    | 13.2        |    | 34.09                      |    | 43.0        |    |      |
| 11                      | 22.24                  |    | 1.8         |    | 22.26            |    | 53.0        |    | 16.40                       |    | 25.5        |    | 48.13                        |    | 14.8        |    | 34.13                      |    | 43.0        |    |      |
| 21                      | 21.89                  |    | 2.2         |    | 22.15            |    | 53.9        |    | 16.35                       |    | 25.2        |    | 48.09                        |    | 16.4        |    | 34.15                      |    | 43.0        |    |      |
| 31                      | 21.55                  |    | 2.2         |    | 22.03            |    | 54.7        |    | 16.28                       |    | 24.8        |    | 48.03                        |    | 17.9        |    | 34.13                      |    | 42.9        |    |      |
| June 10                 | 21.23                  |    | 1.7         |    | 21.92            |    | 55.4        |    | 16.19                       |    | 24.4        |    | 47.96                        |    | 19.2        |    | 34.09                      |    | 42.7        |    |      |
| 20                      | 20.94                  |    | 0.7         |    | 21.81            |    | 55.9        |    | 16.09                       |    | 23.8        |    | 47.84                        |    | 20.3        |    | 34.03                      |    | 42.4        |    |      |
| 30                      | 20.69                  | 33 | 59.3        |    | 21.70            |    | 56.3        |    | 15.98                       |    | 23.2        |    | 47.72                        |    | 21.2        |    | 33.94                      |    | 42.1        |    |      |
| July 10                 | 20.48                  |    | 57.5        |    | 21.61            |    | 56.4        |    | 15.86                       |    | 22.6        |    | 47.58                        |    | 21.8        |    | 33.82                      |    | 41.7        |    |      |
| 20                      | 20.32                  |    | 55.4        |    | 21.53            |    | 56.5        |    | 15.73                       |    | 21.9        |    | 47.44                        |    | 22.2        |    | 33.69                      |    | 41.2        |    |      |
| 30                      | 20.21                  |    | 52.9        |    | 21.46            |    | 56.3        |    | 15.61                       |    | 21.2        |    | 47.29                        |    | 22.3        |    | 33.55                      |    | 40.7        |    |      |
| Aug. 9                  | 20.16                  |    | 50.1        |    | 21.42            |    | 55.9        |    | 15.50                       |    | 20.5        |    | 47.14                        |    | 22.1        |    | 33.40                      |    | 40.2        |    |      |
| 19                      | 20.18                  |    | 47.2        |    | 21.39            |    | 55.3        |    | 15.39                       |    | 19.9        |    | 46.99                        |    | 21.7        |    | 33.25                      |    | 39.6        |    |      |
| 29                      | 20.26                  | ♂  | 43.8        |    | 21.40            |    | 54.6        |    | 15.31                       |    | 19.4        |    | 46.86                        |    | 20.9        |    | 33.11                      |    | 39.1        |    |      |
| Sept. 8                 | 20.41                  |    | 40.5        | ♂  | 21.44            |    | 53.4        |    | 15.25                       |    | 19.0        |    | 46.74                        |    | 19.8        |    | 32.98                      |    | 38.6        |    |      |
| 18                      | 20.63                  |    | 37.3        |    | 21.51            |    | 52.1        |    | 15.22                       |    | 18.7        |    | 46.66                        |    | 18.5        |    | 32.88                      |    | 38.2        |    |      |
| 28                      | 20.91                  |    | 34.1        |    | 21.63            |    | 50.6        | ♂  | 15.24                       |    | 18.6        |    | 46.61                        |    | 16.8        |    | 32.81                      |    | 37.9        |    |      |
| Oct. 8                  | 21.26                  |    | 31.0        |    | 21.78            |    | 48.9        | ♂  | 15.30                       |    | 18.8        |    | 46.50                        |    | 14.9        | ♂  | 32.78                      |    | 37.7        |    |      |
| 18                      | 21.68                  |    | 28.0        |    | 21.97            |    | 47.1        |    | 15.40                       |    | 19.3        |    | 46.63                        |    | 12.5        |    | 32.79                      |    | 37.8        |    |      |
| 28                      | 22.16                  |    | 25.4        |    | 22.20            |    | 45.0        |    | 15.55                       |    | 20.0        |    | 46.72                        |    | 10.1        | ♂  | 32.87                      |    | 38.0        |    |      |
| Nov. 7                  | 22.69                  |    | 23.0        |    | 22.46            |    | 42.9        |    | 15.75                       |    | 21.0        |    | 46.86                        |    | 7.5         |    | 32.99                      |    | 38.5        |    |      |
| 17                      | 23.26                  |    | 21.1        |    | 22.76            |    | 40.7        |    | 15.99                       |    | 22.3        |    | 47.04                        |    | 4.8         |    | 33.16                      |    | 39.2        |    |      |
| 27                      | 23.84                  |    | 19.6        |    | 23.06            |    | 38.5        |    | 16.26                       |    | 23.8        |    | 47.27                        |    | 2.1         |    | 33.38                      |    | 40.2        |    |      |
| Dec. 7                  | 24.44                  |    | 18.7        |    | 23.40            |    | 36.4        |    | 16.56                       |    | 25.5        |    | 47.54                        | ♂  | 59.4        |    | 33.64                      |    | 41.4        |    |      |
| 17                      | 25.03                  |    | 18.3        |    | 23.73            |    | 34.4        |    | 16.88                       |    | 27.4        |    | 47.83                        |    | 56.8        |    | 33.92                      |    | 42.7        |    |      |
| 27                      | 25.59                  |    | 18.5        |    | 24.06            |    | 32.7        |    | 17.21                       |    | 29.4        |    | 48.15                        |    | 54.4        |    | 34.23                      |    | 44.2        |    |      |

*True Apparent Places of Thirty-seven of the Principal Fixed Stars for every tenth day of the year.*

Epoch. — The Upper Culmination at Greenwich.

| Day of the Month. | ♌ Ursæ Minoris.<br>3 |       |             | ♐ Libra.<br>23 |       |             | ♌ Coronæ Borealis.<br>2 |       |             | ♎ Serpentis.<br>23 |       |             | ♏ Scorpionis.<br>2 |       |             |
|-------------------|----------------------|-------|-------------|----------------|-------|-------------|-------------------------|-------|-------------|--------------------|-------|-------------|--------------------|-------|-------------|
|                   | Right Asc.           |       | Dec. North. | Right Asc.     |       | Dec. South. | Right Asc.              |       | Dec. North. | Right Asc.         |       | Dec. North. | Right Asc.         |       | Dec. South. |
|                   | h.                   | m.    |             | h.             | m.    |             | h.                      | m.    |             | h.                 | m.    |             | h.                 | m.    |             |
| 1849.             | 14                   | 74    |             | 15             | 8     |             | 15                      | 27    |             | 15                 | 6     |             | 15                 | 19    |             |
| Jan. 1            | 51                   | 7.98  | 46 11.6     | 8              | 52.18 | 49 10.6     | 29                      | 16.28 | 13 33.6     | 36                 | 48.73 | 54 20.6     | 56                 | 38.57 | 23 2.4      |
| 11                |                      | 8.71  | 9.3         |                | 52.48 | 12.9        |                         | 16.57 | 31.0        |                    | 49.00 | 18.5        |                    | 38.88 | 4.4         |
| 21                |                      | 9.57  | 7.6         |                | 52.79 | 13.8        |                         | 16.88 | 28.8        |                    | 49.29 | 16.6        |                    | 39.17 | 5.5         |
| 31                |                      | 10.46 | 6.6         |                | 53.10 | 15.4        |                         | 17.20 | 27.0        |                    | 49.59 | 14.9        |                    | 39.48 | 6.7         |
| Feb. 10           |                      | 11.36 | 6.3         |                | 53.41 | 16.9        |                         | 17.52 | 25.6        |                    | 49.89 | 13.4        |                    | 39.80 | 7.8         |
| 20                |                      | 12.24 | 6.6         |                | 53.70 | 18.1        |                         | 17.84 | 24.7        |                    | 50.19 | 12.3        |                    | 40.12 | 8.9         |
| Mar. 2            |                      | 13.08 | 7.6         |                | 53.98 | 19.2        |                         | 18.14 | 24.3        |                    | 50.47 | 11.6        |                    | 40.43 | 10.0        |
| 12                |                      | 13.80 | 9.2         |                | 54.24 | 20.1        |                         | 18.42 | 24.5        |                    | 50.74 | 11.1        |                    | 40.72 | 10.9        |
| 22                |                      | 14.44 | 11.3        |                | 54.47 | 20.8        |                         | 18.67 | 25.1        |                    | 50.98 | 11.1        |                    | 40.99 | 11.7        |
| Apr. 1            |                      | 14.96 | 13.8        |                | 54.67 | 21.2        |                         | 18.90 | 25.2        |                    | 51.20 | 11.4        |                    | 41.24 | 12.4        |
| 11                |                      | 15.33 | 16.7        |                | 54.85 | 21.4        |                         | 19.10 | 27.7        |                    | 51.40 | 12.0        |                    | 41.47 | 13.0        |
| 21                |                      | 15.57 | 19.8        |                | 55.00 | 21.5        |                         | 19.26 | 29.5        |                    | 51.56 | 12.8        |                    | 41.67 | 13.4        |
| May 1             |                      | 15.67 | 23.0        |                | 55.12 | 21.4        |                         | 19.39 | 31.5        |                    | 51.70 | 13.9        |                    | 41.85 | 13.7        |
| 11                |                      | 15.69 | 26.1        |                | 55.21 | 21.1        |                         | 19.48 | 33.7        |                    | 51.81 | 15.1        |                    | 42.00 | 14.0        |
| 21                |                      | 15.43 | 29.2        |                | 55.28 | 20.8        |                         | 19.54 | 36.0        |                    | 51.90 | 16.4        |                    | 42.12 | 14.1        |
| 31                |                      | 15.12 | 32.0        |                | 55.32 | 20.4        |                         | 19.57 | 38.2        |                    | 51.96 | 17.7        |                    | 42.20 | 14.2        |
| June 10           |                      | 14.69 | 34.5        |                | 55.32 | 19.9        |                         | 19.56 | 40.3        |                    | 51.97 | 19.0        |                    | 42.26 | 14.3        |
| 20                |                      | 14.17 | 36.6        |                | 55.30 | 19.4        |                         | 19.52 | 42.3        |                    | 51.96 | 20.3        |                    | 42.28 | 14.3        |
| 30                |                      | 13.55 | 38.3        |                | 55.25 | 18.9        |                         | 19.45 | 44.1        |                    | 51.92 | 21.5        |                    | 42.26 | 14.3        |
| July 10           |                      | 12.87 | 39.5        |                | 55.18 | 18.4        |                         | 19.34 | 45.6        |                    | 51.86 | 22.6        |                    | 42.21 | 14.2        |
| 20                |                      | 12.13 | 40.2        |                | 55.08 | 17.9        |                         | 19.21 | 46.9        |                    | 51.77 | 23.5        |                    | 42.13 | 14.1        |
| 30                |                      | 11.36 | 40.4        |                | 54.96 | 17.4        |                         | 19.06 | 47.8        |                    | 51.65 | 24.2        |                    | 42.02 | 13.9        |
| Aug. 9            |                      | 10.57 | 40.0        |                | 54.82 | 16.9        |                         | 18.89 | 48.4        |                    | 51.51 | 24.8        |                    | 41.89 | 13.7        |
| 19                |                      | 9.78  | 39.1        |                | 54.67 | 16.5        |                         | 18.70 | 48.7        |                    | 51.35 | 25.2        |                    | 41.73 | 13.4        |
| 29                |                      | 9.01  | 37.7        |                | 54.51 | 16.1        |                         | 18.51 | 48.5        |                    | 51.19 | 25.4        |                    | 41.56 | 13.1        |
| Sept. 8           |                      | 8.29  | 35.9        |                | 54.36 | 15.8        |                         | 18.32 | 48.0        |                    | 51.03 | 25.4        |                    | 41.39 | 12.7        |
| 18                |                      | 7.62  | 33.6        |                | 54.22 | 15.6        |                         | 18.14 | 47.2        |                    | 50.87 | 25.2        |                    | 41.22 | 12.3        |
| 28                |                      | 7.02  | 30.8        |                | 54.10 | 15.5        |                         | 17.98 | 46.0        |                    | 50.73 | 24.7        |                    | 41.06 | 11.9        |
| Oct. 8            |                      | 6.53  | 27.7        |                | 54.01 | 15.5        |                         | 17.84 | 44.4        |                    | 50.61 | 24.0        |                    | 40.98 | 11.5        |
| 18                |                      | 6.15  | 24.3        |                | 53.96 | 15.7        |                         | 17.74 | 42.5        |                    | 50.53 | 23.0        |                    | 40.84 | 11.2        |
| 28                |                      | 5.90  | 20.6        |                | 53.96 | 16.1        |                         | 17.69 | 40.2        |                    | 50.49 | 21.8        |                    | 40.78 | 11.0        |
| Nov. 7            | ♊                    | 5.78  | 16.5        |                | 53.99 | 16.7        |                         | 17.68 | 37.7        |                    | 50.49 | 20.4        |                    | 40.77 | 10.9        |
| 17                |                      | 5.84  | 12.7        | ♊              | 54.08 | 17.6        | ♊                       | 17.73 | 34.7        | ♊                  | 50.55 | 18.5        |                    | 40.82 | 11.0        |
| 27                |                      | 6.04  | 8.9         |                | 54.22 | 18.6        |                         | 17.83 | 31.8        |                    | 50.65 | 16.6        | ♊                  | 40.93 | 11.3        |
| Dec. 7            |                      | 6.40  | 5.3         |                | 54.41 | 19.9        |                         | 17.98 | 28.8        |                    | 50.80 | 14.6        |                    | 41.08 | 11.8        |
| 17                |                      | 6.91  | 1.9         |                | 54.64 | 21.3        |                         | 18.19 | 25.8        |                    | 51.00 | 12.4        |                    | 41.28 | 12.4        |
| 27                |                      | 7.54  | 45 58.9     |                | 54.90 | 22.8        |                         | 18.43 | 22.9        |                    | 51.23 | 10.2        |                    | 41.52 | 13.2        |
| 37                |                      | 8.29  | 56.3        |                | 55.19 | 24.5        |                         | 18.71 | 20.2        |                    | 51.50 | 8.1         |                    | 41.80 | 14.2        |

*True Apparent Places of Thirty-seven of the Principal Fixed Stars for every tenth day of the year.*

Epoch. — The Upper Culmination at Greenwich.

| Day<br>of the<br>Month. | ♏ Scorpionis<br>(Antares).<br>1 |       |             | ♐ Ophiuchi.<br>2 |       |             | ♌ Lyræ<br>(Vega).<br>1 |       |             | ♏ Aquilæ.<br>3.4 |       |             | ♏ Aquilæ<br>(Altair).<br>1.2 |       |             |
|-------------------------|---------------------------------|-------|-------------|------------------|-------|-------------|------------------------|-------|-------------|------------------|-------|-------------|------------------------------|-------|-------------|
|                         | Right Asc.                      |       | Dec. South. | Right Asc.       |       | Dec. North. | Right Asc.             |       | Dec. North. | Right Asc.       |       | Dec. North. | Right Asc.                   |       | Dec. North. |
|                         | h.                              | m.    |             | h.               | m.    |             | h.                     | m.    |             | h.               | m.    |             | h.                           | m.    |             |
| 1849.                   | 16                              | 06    |             | 17               | 12    |             | 18                     | 38    |             | 19               | 02    |             | 19                           | 08    |             |
| Jan. 1                  | 20                              | 7.99  | 5 17.1      | 27               | 53.98 | 40 33.4     | 31                     | 47.68 | 38 53.4     | 17               | 51.41 | 49 11.5     | 43                           | 23.36 | 28 31.7     |
| 11                      |                                 | 8.28  | 17.7        |                  | 54.17 | 31.2        |                        | 47.79 | 50.2        | ♂                | 51.51 | 9.9         | ♂                            | 23.42 | 30.1        |
| 21                      |                                 | 8.58  | 18.4        |                  | 54.39 | 29.1        |                        | 47.96 | 47.2        |                  | 51.64 | 8.4         | ♂                            | 23.52 | 28.2        |
| 31                      |                                 | 8.91  | 19.2        |                  | 54.64 | 27.2        |                        | 48.16 | 44.4        |                  | 51.80 | 7.1         |                              | 23.66 | 26.7        |
| Feb. 10                 |                                 | 9.24  | 20.0        |                  | 54.91 | 25.6        |                        | 48.40 | 41.9        |                  | 51.98 | 6.0         |                              | 23.82 | 25.3        |
| 20                      |                                 | 9.57  | 20.9        |                  | 55.18 | 24.3        |                        | 48.68 | 39.8        |                  | 52.20 | 5.1         |                              | 24.01 | 24.1        |
| Mar. 2                  |                                 | 9.89  | 21.8        |                  | 55.47 | 23.4        |                        | 48.96 | 38.2        |                  | 52.43 | 4.4         |                              | 24.22 | 23.2        |
| 12                      |                                 | 10.20 | 22.7        |                  | 55.76 | 22.9        |                        | 49.29 | 37.2        |                  | 52.68 | 4.0         |                              | 24.46 | 22.7        |
| 22                      |                                 | 10.50 | 23.5        |                  | 56.04 | 22.8        |                        | 49.62 | 36.8        |                  | 52.95 | 4.0         |                              | 24.72 | 22.5        |
| Apr. 1                  |                                 | 10.78 | 24.3        |                  | 56.31 | 23.1        |                        | 49.96 | 37.0        |                  | 53.22 | 4.2         |                              | 24.99 | 22.7        |
| 11                      |                                 | 11.04 | 25.0        |                  | 56.58 | 23.8        |                        | 50.28 | 37.7        |                  | 53.50 | 4.8         |                              | 25.27 | 23.2        |
| 21                      |                                 | 11.27 | 25.6        |                  | 56.82 | 24.9        |                        | 50.60 | 39.0        |                  | 53.79 | 5.7         |                              | 25.55 | 24.1        |
| May 1                   |                                 | 11.48 | 26.2        |                  | 57.05 | 26.3        |                        | 50.90 | 40.8        |                  | 54.07 | 6.8         |                              | 25.84 | 25.3        |
| 11                      |                                 | 11.66 | 26.7        |                  | 57.26 | 27.9        |                        | 51.17 | 43.0        |                  | 54.34 | 8.2         |                              | 26.12 | 26.8        |
| 21                      |                                 | 11.81 | 27.2        |                  | 57.44 | 29.7        |                        | 51.42 | 45.6        |                  | 54.61 | 9.7         |                              | 26.39 | 28.5        |
| 31                      |                                 | 11.93 | 27.7        |                  | 57.59 | 31.6        |                        | 51.64 | 48.3        |                  | 54.85 | 11.4        |                              | 26.65 | 30.4        |
| June 10                 |                                 | 12.01 | 28.1        |                  | 57.71 | 33.6        |                        | 51.81 | 51.3        |                  | 55.06 | 13.1        |                              | 26.89 | 32.4        |
| 20                      |                                 | 12.06 | 28.4        |                  | 57.79 | 35.4        |                        | 51.94 | 54.3        |                  | 55.25 | 14.8        |                              | 27.09 | 34.4        |
| 30                      |                                 | 12.06 | 28.7        |                  | 57.83 | 37.2        |                        | 52.02 | 57.3        |                  | 55.40 | 16.4        |                              | 27.26 | 36.4        |
| July 10                 |                                 | 12.03 | 29.0        |                  | 57.84 | 38.9        |                        | 52.05 | 59 0.2      |                  | 55.51 | 18.0        |                              | 27.39 | 38.3        |
| 20                      |                                 | 11.96 | 29.2        |                  | 57.81 | 40.4        |                        | 52.03 | 3.0         |                  | 55.58 | 19.4        |                              | 27.48 | 40.1        |
| 30                      |                                 | 11.86 | 29.3        |                  | 57.74 | 41.7        |                        | 51.96 | 5.6         |                  | 55.61 | 20.7        |                              | 27.53 | 41.7        |
| Aug. 9                  |                                 | 11.71 | 29.3        |                  | 57.63 | 42.8        |                        | 51.85 | 7.8         |                  | 55.59 | 21.8        |                              | 27.53 | 43.2        |
| 19                      |                                 | 11.55 | 29.2        |                  | 57.49 | 43.7        |                        | 51.69 | 9.7         |                  | 55.54 | 22.7        |                              | 27.48 | 44.5        |
| 29                      |                                 | 11.37 | 29.0        |                  | 57.33 | 44.3        |                        | 51.49 | 11.3        |                  | 55.44 | 23.4        |                              | 27.40 | 45.5        |
| Sept. 8                 |                                 | 11.19 | 28.7        |                  | 57.15 | 44.7        |                        | 51.26 | 12.5        |                  | 55.31 | 23.9        |                              | 27.29 | 46.3        |
| 18                      |                                 | 11.00 | 28.3        |                  | 56.96 | 44.7        |                        | 51.01 | 13.2        |                  | 55.16 | 24.3        |                              | 27.15 | 46.9        |
| 28                      |                                 | 10.83 | 27.8        |                  | 56.77 | 44.5        |                        | 50.75 | 13.5        |                  | 54.99 | 24.4        |                              | 26.98 | 47.2        |
| Oct. 8                  |                                 | 10.67 | 27.3        |                  | 56.59 | 44.0        |                        | 50.49 | 13.3        |                  | 54.81 | 24.3        |                              | 26.80 | 47.3        |
| 18                      |                                 | 10.55 | 26.8        |                  | 56.43 | 43.2        |                        | 50.23 | 12.6        |                  | 54.63 | 24.0        |                              | 26.62 | 47.1        |
| 28                      |                                 | 10.47 | 26.3        |                  | 56.30 | 42.2        |                        | 50.00 | 11.5        |                  | 54.46 | 23.5        |                              | 26.45 | 46.7        |
| Nov. 7                  |                                 | 10.44 | 25.8        |                  | 56.20 | 40.8        |                        | 49.79 | 10.0        |                  | 54.32 | 22.9        |                              | 26.29 | 46.0        |
| 17                      | ♂                               | 10.47 | 25.4        |                  | 56.14 | 39.2        |                        | 49.62 | 8.0         |                  | 54.20 | 22.0        |                              | 26.16 | 45.1        |
| 27                      |                                 | 10.56 | 25.2        |                  | 56.12 | 37.3        |                        | 49.50 | 5.6         |                  | 54.11 | 21.0        |                              | 26.05 | 44.0        |
| Dec. 7                  |                                 | 10.69 | 25.2        |                  | 56.16 | 35.3        |                        | 49.43 | 2.9         |                  | 54.06 | 19.8        |                              | 25.98 | 42.7        |
| 17                      | ♂                               | 10.98 | 25.3        |                  | 56.25 | 32.9        |                        | 49.40 | 0.0         |                  | 54.05 | 18.5        |                              | 25.95 | 41.2        |
| 27                      |                                 | 11.11 | 25.6        |                  | 56.38 | 30.6        | ♂                      | 49.43 | 38 56.8     |                  | 54.08 | 17.1        |                              | 25.96 | 39.6        |
| 37                      |                                 | 11.38 | 26.1        |                  | 56.55 | 28.2        | ♂                      | 49.53 | 53.3        |                  | 54.15 | 15.6        |                              | 25.99 | 37.9        |

*True Apparent Places of Thirty-seven of the Principal Fixed Stars for every tenth day of the year.*

Epoch. — The Upper Culmination at Greenwich.

| Day of the Month. | α Cygni.<br>1    |                  | α Cephei.<br>3   |                  | α Aquarii.<br>3  |                  | α Pisc. Australis<br>(Fomalhaut).<br>2 |                  | α Pegasi<br>(Markab).<br>1 |                  |
|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|--|------------------|----------------------------|------------------|
|                   | Right Asc.       | Dec. North.      | Right Asc.       | Dec. North.      | Right Asc.       | Dec. South.      | Right Asc.                             | Dec. South.      | Right Asc.                 | Dec. North.      |
|                   | h. m. s. / ° ' " | h. m. s. / ° ' " | h. m. s. / ° ' " | h. m. s. / ° ' " | h. m. s. / ° ' " | h. m. s. / ° ' " | h. m. s. / ° ' "                       | h. m. s. / ° ' " | h. m. s. / ° ' "           | h. m. s. / ° ' " |
| 1849.             | 20 44            | 21 61            | 21 1             | 22 30            | 22 14            | 22 30            | 22 14                                  | 22 14            | 22 14                      | 22 14            |
| Jan. 1            | 36 15.59 44 47.2 | 14 56.79 57 4.9  | 58 0.37 8 3.4    | 49 16.29 25 24.1 | 57 13.80 23 42.2 |                  |  |                  |                            |                  |
| 11                | 15.54 44.4       | 56.56 2.1        | 0.39 4.3         | 16.19 23.7       | 13.70 41.0       |                  |  |                  |                            |                  |
| 21                | 15.53 41.4       | 56.44 56 59.0    | 0.30 5.0         | 16.12 23.1       | 13.62 39.7       |                  |  |                  |                            |                  |
| 31                | 15.59 38.0       | 56.36 55.8       | 0.30 5.8         | 16.07 22.2       | 13.56 38.3       |                  |  |                  |                            |                  |
| Feb. 10           | 15.59 35.1       | 56.40 52.2       | 0.33 6.4         | 16.06 21.1       | 13.52 37.0       |                  |  |                  |                            |                  |
| 20                | 15.84 32.3       | 56.51 49.0       | 0.40 6.9         | 16.07 19.7       | 13.52 35.7       |                  |  |                  |                            |                  |
| Mar. 2            | 16.03 29.9       | 56.70 46.0       | 0.50 7.1         | 16.12 18.1       | 13.55 34.6       |                  |  |                  |                            |                  |
| 12                | 16.27 27.9       | 56.96 43.3       | 0.63 7.1         | 16.21 16.1       | 13.62 33.7       |                  |  |                  |                            |                  |
| 22                | 16.56 26.4       | 57.29 41.1       | 0.79 6.9         | 16.34 14.2       | 13.72 33.1       |                  |  |                  |                            |                  |
| Apr. 1            | 16.86 25.5       | 57.68 39.4       | 0.98 6.4         | 16.51 12.1       | 13.86 32.7       |                  |  |                  |                            |                  |
| 11                | 17.20 25.1       | 58.13 38.3       | 1.20 5.6         | 16.71 10.0       | 14.04 32.8       |                  |  |                  |                            |                  |
| 21                | 17.55 25.3       | 58.61 37.7       | 1.44 4.5         | 16.96 7.8        | 14.25 33.2       |                  |  |                  |                            |                  |
| May 1             | 17.92 26.1       | 59.12 37.8       | 1.71 3.2         | 17.22 5.6        | 14.50 33.9       |                  |  |                  |                            |                  |
| 11                | 18.28 27.4       | 59.63 38.5       | 2.00 1.7         | 17.52 3.4        | 14.77 34.9       |                  |  |                  |                            |                  |
| 21                | 18.63 29.2       | 15 0.13 39.8     | 2.30 0.0         | 17.84 1.3        | 15.06 36.3       |                  |  |                  |                            |                  |
| 31                | 18.97 31.5       | 0.62 41.6        | 2.60 2 58.2      | 18.18 24 59.4    | 15.36 38.0       |                  |  |                  |                            |                  |
| June 10           | 19.28 34.1       | 1.07 43.9        | 2.90 56.4        | 18.52 57.7       | 15.67 39.9       |                  |  |                  |                            |                  |
| 20                | 19.56 37.0       | 1.47 46.6        | 3.19 54.5        | 18.87 56.3       | 15.98 41.9       |                  |  |                  |                            |                  |
| 30                | 19.77 40.1       | 1.82 49.7        | 3.46 52.6        | 19.20 55.2       | 16.28 44.1       |                  |  |                  |                            |                  |
| July 10           | 19.95 43.4       | 2.10 53.0        | 3.70 50.9        | 19.51 54.3       | 16.55 46.3       |                  |  |                  |                            |                  |
| 20                | 20.08 46.7       | 2.30 56.4        | 3.91 49.3        | 19.79 53.8       | 16.80 48.6       |                  |  |                  |                            |                  |
| 30                | 20.16 49.9       | 2.43 57 0.0      | 4.06 47.8        | 20.04 53.7       | 17.02 50.8       |                  |  |                  |                            |                  |
| Aug. 9            | 20.16 53.0       | 2.48 3.5         | 4.21 46.6        | 20.25 53.9       | 17.20 52.9       |                  |  |                  |                            |                  |
| 19                | 20.11 56.0       | 2.44 7.0         | 4.30 45.5        | 20.41 54.4       | 17.34 54.8       |                  |  |                  |                            |                  |
| 29                | 20.02 58.7       | 2.33 10.4        | 4.35 44.7        | 20.53 55.2       | 17.44 56.6       |                  |  |                  |                            |                  |
| Sept. 8           | 19.87 45 1.1     | 2.15 13.5        | 4.35 44.1        | 20.59 56.2       | 17.50 58.2       |                  |  |                  |                            |                  |
| 18                | 19.68 3.2        | 1.90 16.3        | 4.32 43.7        | 20.80 57.5       | 17.62 59.5       |                  |  |                  |                            |                  |
| 28                | 19.46 4.9        | 1.59 18.8        | 4.25 43.5        | 20.57 56.9       | 17.50 24 0.6     |                  |  |                  |                            |                  |
| Oct. 8            | 19.21 6.1        | 1.23 20.9        | 4.15 43.5        | 20.51 35 0.4     | 17.44 1.5        |                  |  |                  |                            |                  |
| 18                | 18.94 6.9        | 0.84 22.5        | 4.03 43.7        | 20.40 1.8        | 17.36 2.1        |                  |  |                  |                            |                  |
| 28                | 18.67 7.2        | 0.42 23.7        | 3.89 44.0        | 20.37 3.2        | 17.26 2.5        |                  |  |                  |                            |                  |
| Nov. 7            | 18.40 7.0        | 14 59.99 24.3    | 3.75 44.5        | 20.13 4.5        | 17.14 2.6        |                  |  |                  |                            |                  |
| 17                | 18.14 6.3        | 59.56 24.3       | 3.61 45.1        | 19.97 5.6        | 17.01 2.4        |                  |  |                  |                            |                  |
| 27                | 17.91 5.1        | 59.14 23.7       | 3.48 45.7        | 19.81 6.5        | 16.88 2.0        |                  |  |                  |                            |                  |
| Dec. 7            | 17.71 3.5        | 58.75 22.6       | 3.35 46.5        | 19.66 7.2        | 16.76 1.4        |                  |  |                  |                            |                  |
| 17                | 17.54 1.4        | 58.40 20.9       | 3.25 47.3        | 19.51 7.5        | 16.62 0.6        |                  |  |                  |                            |                  |
| 27                | 17.41 44 58.9    | 58.09 18.8       | 3.16 48.1        | 19.38 7.6        | 16.50 23 59.6    |                  |  |                  |                            |                  |
| 37                | 17.33 56.1       | 57.84 16.2       | 3.10 49.0        | 19.27 7.4        | 16.39 58.5       |                  |  |                  |                            |                  |

*Dr. Young's Refractions, the Barometer being at 30 inches, and the internal Thermometer at 50, or the external at 47 degrees; with the Corrections for + one inch in the Barometer, and for — one degree in the Thermometer of Fahrenheit. From page 19 of Vol. I. of Pearson's Practical Astronomy.*

| App. Alt. | Ref. B. 30,<br>Th. 50°. | Diff. for + 1<br>B. | Diff. for — 1°<br>Fah. |
|-----------|-------------------------|---------------------|------------------------|
| 0 0       | 33 51                   | 74                  | 8.1                    |
| 5         | 32 53                   | 71                  | 7.6                    |
| 10        | 31 58                   | 69                  | 7.3                    |
| 15        | 31 5                    | 67                  | 7.0                    |
| 20        | 30 13                   | 65                  | 6.7                    |
| 25        | 29 24                   | 63                  | 6.4                    |
| 30        | 28 37                   | 61                  | 6.1                    |
| 35        | 27 51                   | 59                  | 5.9                    |
| 40        | 27 6                    | 56                  | 5.6                    |
| 45        | 26 24                   | 56                  | 5.4                    |
| 50        | 25 43                   | 55                  | 5.1                    |
| 55        | 25 3                    | 53                  | 4.9                    |
| 1 0       | 24 25                   | 52                  | 4.7                    |
| 5         | 23 48                   | 50                  | 4.6                    |
| 10        | 23 13                   | 49                  | 4.5                    |
| 15        | 22 40                   | 48                  | 4.4                    |
| 20        | 22 8                    | 46                  | 4.3                    |
| 25        | 21 37                   | 45                  | 4.0                    |
| 30        | 21 7                    | 44                  | 3.9                    |
| 35        | 20 38                   | 43                  | 3.8                    |
| 40        | 20 10                   | 42                  | 3.6                    |
| 45        | 19 43                   | 40                  | 3.5                    |
| 50        | 19 17                   | 39                  | 3.4                    |
| 55        | 18 52                   | 39                  | 3.3                    |
| 2 0       | 18 29                   | 38                  | 3.2                    |
| 5         | 18 5                    | 37                  | 3.1                    |
| 10        | 17 43                   | 36                  | 3.0                    |
| 15        | 17 21                   | 36                  | 2.9                    |
| 20        | 17 0                    | 35                  | 2.8                    |
| 25        | 16 40                   | 34                  | 2.8                    |
| 30        | 16 21                   | 33                  | 2.7                    |
| 35        | 16 2                    | 33                  | 2.7                    |
| 40        | 15 43                   | 32                  | 2.6                    |
| 45        | 15 25                   | 32                  | 2.5                    |
| 50        | 15 8                    | 31                  | 2.4                    |
| 55        | 14 51                   | 30                  | 2.3                    |
| 3 0       | 14 35                   | 30                  | 2.3                    |
| 5         | 14 19                   | 29                  | 2.2                    |
| 10        | 14 4                    | 29                  | 2.2                    |
| 15        | 13 50                   | 28                  | 2.1                    |
| 20        | 13 35                   | 28                  | 2.1                    |
| 25        | 13 21                   | 27                  | 2.0                    |
| 30        | 13 7                    | 27                  | 2.0                    |
| 35        | 12 53                   | 26                  | 2.0                    |
| 40        | 12 41                   | 26                  | 1.9                    |
| 45        | 12 28                   | 25                  | 1.9                    |
| 50        | 12 16                   | 25                  | 1.9                    |
| 55        | 12 3                    | 25                  | 1.8                    |
| 4 0       | 11 52                   | 24.1                | 1.70                   |
| 10        | 11 30                   | 23.4                | 1.64                   |
| 20        | 11 10                   | 22.7                | 1.58                   |
| 30        | 10 50                   | 22.0                | 1.53                   |
| 40        | 10 32                   | 21.3                | 1.48                   |
| 50        | 10 15                   | 20.7                | 1.43                   |
| 5 0       | 9 58                    | 20.1                | 1.38                   |
| 10        | 9 42                    | 19.6                | 1.34                   |
| 20        | 9 27                    | 19.1                | 1.30                   |
| 30        | 9 11                    | 18.6                | 1.26                   |
| 40        | 8 58                    | 18.1                | 1.22                   |
| 50        | 8 45                    | 17.6                | 1.19                   |
| 6 0       | 8 32                    | 17.2                | 1.16                   |
| 10        | 8 20                    | 16.8                | 1.11                   |
| 20        | 8 9                     | 16.4                | 1.09                   |
| 30        | 7 58                    | 16.0                | 1.06                   |
| 40        | 7 47                    | 15.7                | 1.03                   |
| 50        | 7 37                    | 15.3                | 1.00                   |
| 7 0       | 7 27                    | 15.0                | .98                    |
| 10        | 7 17                    | 14.6                | .96                    |
| 20        | 7 8                     | 14.3                | .93                    |
| 30        | 6 59                    | 14.1                | .91                    |
| 40        | 6 51                    | 13.8                | .89                    |
| 50        | 6 43                    | 13.5                | .87                    |
| 8 0       | 6 35                    | 13.3                | .85                    |
| 10        | 6 28                    | 13.1                | .83                    |
| 20        | 6 21                    | 12.8                | .82                    |
| 30        | 6 14                    | 12.6                | .80                    |
| 40        | 6 7                     | 12.3                | .79                    |
| 50        | 6 0                     | 12.1                | .77                    |
| 9 0       | 5 54                    | 11.9                | .76                    |
| 10        | 5 47                    | 11.7                | .74                    |
| 20        | 5 41                    | 11.5                | .73                    |
| 30        | 5 36                    | 11.3                | .72                    |
| 40        | 5 30                    | 11.1                | .71                    |
| 50        | 5 25                    | 11.0                | .70                    |
| 10 0      | 5 20                    | 10.8                | .69                    |
| 10        | 5 15                    | 10.6                | .67                    |
| 20        | 5 10                    | 10.4                | .65                    |
| 30        | 5 5                     | 10.2                | .64                    |
| 40        | 5 0                     | 10.1                | .63                    |
| 50        | 4 56                    | 9.9                 | .62                    |
| 11 0      | 4 51                    | 9.8                 | .60                    |
| 10        | 4 47                    | 9.6                 | .59                    |
| 20        | 4 43                    | 9.5                 | .58                    |
| 30        | 4 39                    | 9.4                 | .57                    |
| 40        | 4 35                    | 9.2                 | .56                    |
| 50        | 4 31                    | 9.1                 | .55                    |
| 13 0      | 4 28.1                  | 9.00                | .550                   |
| 10        | 4 24.4                  | 8.86                | .548                   |
| 20        | 4 20.8                  | 8.74                | .541                   |
| 30        | 4 17.3                  | 8.63                | .533                   |
| 40        | 4 13.9                  | 8.51                | .524                   |
| 50        | 4 10.7                  | 8.41                | .517                   |
| 13 0      | 4 7.5                   | 8.30                | .509                   |
| 10        | 4 4.4                   | 8.20                | .503                   |
| 20        | 4 1.4                   | 8.10                | .496                   |
| 30        | 3 58.4                  | 8.00                | .490                   |
| 40        | 3 55.5                  | 7.89                | .482                   |
| 50        | 3 52.6                  | 7.79                | .476                   |
| 14 0      | 3 49.9                  | 7.70                | .469                   |
| 10        | 3 47.1                  | 7.61                | .464                   |
| 20        | 3 44.4                  | 7.52                | .458                   |
| 30        | 3 41.8                  | 7.43                | .453                   |
| 40        | 3 39.2                  | 7.34                | .448                   |
| 50        | 3 36.7                  | 7.26                | .444                   |
| 15 0      | 3 34.3                  | 7.18                | .439                   |
| 30        | 3 31.3                  | 6.95                | .424                   |
| 16 0      | 3 30.6                  | 6.73                | .411                   |
| 30        | 3 14.4                  | 6.51                | .399                   |
| 17 0      | 3 8.5                   | 6.31                | .386                   |
| 30        | 3 2.9                   | 6.12                | .374                   |
| 18 0      | 2 57.6                  | 5.94                | .362                   |
| 19        | 2 47.7                  | 5.61                | .340                   |
| 20        | 2 38.7                  | 5.31                | .322                   |
| 21        | 2 30.5                  | 5.04                | .305                   |
| 22        | 2 23.2                  | 4.79                | .290                   |
| 23        | 2 16.5                  | 4.57                | .276                   |
| 24        | 2 10.1                  | 4.35                | .264                   |
| 25        | 2 4.2                   | 4.16                | .252                   |
| 26        | 1 58.8                  | 3.97                | .241                   |
| 27        | 1 53.8                  | 3.81                | .230                   |
| 28        | 1 49.1                  | 3.65                | .219                   |
| 29        | 1 44.7                  | 3.50                | .209                   |
| 30        | 1 40.5                  | 3.36                | .201                   |
| 31        | 1 36.6                  | 3.23                | .193                   |
| 32        | 1 33.0                  | 3.11                | .186                   |
| 33        | 1 29.5                  | 2.99                | .179                   |
| 34        | 1 26.1                  | 2.88                | .173                   |
| 35        | 1 23.0                  | 2.78                | .167                   |
| 36        | 1 20.0                  | 2.68                | .161                   |
| 37        | 1 17.1                  | 2.58                | .155                   |
| 38        | 1 14.4                  | 2.49                | .149                   |
| 39        | 1 11.8                  | 2.40                | .144                   |
| 40        | 1 9.3                   | 2.32                | .139                   |
| 41        | 1 6.9                   | 2.24                | .134                   |

Table of Refractions, continued.

| App. Alt. | Ref. B. 30,<br>Th. 50°. | Diff. for + 1<br>°. | Diff. for - 1°<br>Fah. | App. Alt. | Ref. B. 30,<br>Th. 50°. | Diff. for + 1<br>°. | Diff. for - 1°<br>Fah. | App. Alt. | Ref. B. 30,<br>Th. 50°. | Diff. for + 1<br>°. | Diff. for - 1°<br>Fah. | App. Alt. | Ref. B. 30,<br>Th. 50°. | Diff. for + 1<br>°. | Diff. for - 1°<br>Fah. |
|-----------|-------------------------|---------------------|------------------------|-----------|-------------------------|---------------------|------------------------|-----------|-------------------------|---------------------|------------------------|-----------|-------------------------|---------------------|------------------------|
| 43 °      | 1 "                     | " "                 | .130                   | 55        | 40.8                    | 1.36                | .083                   | 67        | 24.7                    | .88                 | .060                   | 79        | 11.3                    | .38                 | .023                   |
| 43 1      | 2.4                     | 2.09                | .125                   | 56        | 39.3                    | 1.31                | .079                   | 68        | 23.5                    | .79                 | .047                   | 80        | 10.2                    | .34                 | .021                   |
| 44 1      | 0.3                     | 2.02                | .120                   | 57        | 37.8                    | 1.26                | .076                   | 69        | 22.4                    | .75                 | .045                   | 81        | 9.2                     | .31                 | .018                   |
| 45        | 56.1                    | 1.96                | .116                   | 58        | 36.4                    | 1.23                | .073                   | 70        | 21.3                    | .71                 | .043                   | 82        | 8.3                     | .27                 | .016                   |
| 46        | 56.1                    | 1.98                | .112                   | 59        | 35.0                    | 1.17                | .070                   | 71        | 19.9                    | .67                 | .040                   | 83        | 7.1                     | .24                 | .014                   |
| 47        | 54.2                    | 1.81                | .108                   | 60        | 33.6                    | 1.12                | .067                   | 72        | 18.8                    | .63                 | .038                   | 84        | 6.1                     | .20                 | .012                   |
| 48        | 52.3                    | 1.75                | .104                   | 61        | 32.3                    | 1.08                | .065                   | 73        | 17.7                    | .59                 | .036                   | 85        | 5.1                     | .17                 | .010                   |
| 49        | 50.5                    | 1.69                | .101                   | 62        | 31.0                    | 1.04                | .062                   | 74        | 16.6                    | .56                 | .033                   | 86        | 4.1                     | .14                 | .008                   |
| 50        | 48.8                    | 1.63                | .097                   | 63        | 29.7                    | .99                 | .060                   | 75        | 15.5                    | .52                 | .031                   | 87        | 3.1                     | .10                 | .006                   |
| 51        | 47.1                    | 1.58                | .094                   | 64        | 28.4                    | .96                 | .057                   | 76        | 14.4                    | .48                 | .029                   | 88        | 2.0                     | .07                 | .004                   |
| 52        | 45.4                    | 1.52                | .090                   | 65        | 27.2                    | .91                 | .055                   | 77        | 13.4                    | .45                 | .027                   | 89        | 1.0                     | .03                 | .002                   |
| 53        | 43.8                    | 1.47                | .088                   | 66        | 25.9                    | .87                 | .052                   | 78        | 12.3                    | .41                 | .025                   | 90        | 0.0                     | .00                 | .000                   |
| 54        | 42.2                    | 1.41                | .085                   |           |                         |                     |                        |           |                         |                     |                        |           |                         |                     |                        |

The correction for an increase of altitude of one inch in the barometer, or for a depression of one degree in the thermometer, is to be *added* to the tabular refraction; but when the barometer is lower than 30 inches, or the thermometer higher than 47 degrees, the correction becomes *subtractive*.

When great accuracy is required, 0.003 inch should be deducted from the observed height of the barometer for each degree that the thermometer near it is above 50 degrees, and the same quantity added for an equal depression.

A Table of the Sun's Parallax in Altitude.

| Sun's Alt. | Sun's Horizontal Parallax. |       |       |       |       | Sun's Alt. | Sun's Horizontal Parallax. |       |       |       |       |
|------------|----------------------------|-------|-------|-------|-------|------------|----------------------------|-------|-------|-------|-------|
|            | " 8.4                      | " 8.5 | " 8.6 | " 8.7 | " 8.8 |            | " 8.4                      | " 8.5 | " 8.6 | " 8.7 | " 8.8 |
| 0          | 8.40                       | 8.50  | 8.60  | 8.70  | 8.80  | 45         | 5.94                       | 6.01  | 6.08  | 6.15  | 6.22  |
| 5          | 8.37                       | 8.47  | 8.57  | 8.67  | 8.77  | 50         | 5.40                       | 5.46  | 5.53  | 5.59  | 5.66  |
| 10         | 8.27                       | 8.37  | 8.47  | 8.57  | 8.67  | 55         | 4.82                       | 4.88  | 4.93  | 4.99  | 5.05  |
| 15         | 8.11                       | 8.21  | 8.31  | 8.40  | 8.50  | 60         | 4.20                       | 4.25  | 4.30  | 4.35  | 4.40  |
| 20         | 7.89                       | 7.99  | 8.06  | 8.18  | 8.27  | 65         | 3.55                       | 3.59  | 3.63  | 3.68  | 3.72  |
| 25         | 7.61                       | 7.70  | 7.79  | 7.88  | 7.98  | 70         | 2.87                       | 2.91  | 2.94  | 2.98  | 3.01  |
| 30         | 7.28                       | 7.36  | 7.45  | 7.53  | 7.62  | 75         | 2.17                       | 2.20  | 2.23  | 2.26  | 2.29  |
| 35         | 6.88                       | 6.96  | 7.04  | 7.13  | 7.21  | 80         | 1.46                       | 1.48  | 1.49  | 1.51  | 1.53  |
| 40         | 6.44                       | 6.51  | 6.59  | 6.66  | 6.74  | 85         | 0.73                       | 0.74  | 0.75  | 0.76  | 0.77  |
| 45         | 5.94                       | 6.01  | 6.08  | 6.15  | 6.22  | 90         | 0.00                       | 0.00  | 0.00  | 0.00  | 0.00  |

Logarithm for converting Sidereal into Mean Solar Time + 9.9988126.

" " " Mean Solar into Sidereal Time + 0.0011874.

A second of time at the Equator contains 1521 feet.



## THE COAST SURVEY OF THE UNITED STATES.

*By Lieut. C. H. Davis, U. S. N.*

It was to be expected that a people devoted to the pursuits of commerce, and depending, in some degree, on the sea as a means of communication between distant parts of the national territory, should demand, at an early period of their history, a competent survey of their coasts and inland waters.

But a short time previous to the separation of the Colonies, charts had been constructed of the shores and harbours of North America, under the direction of F. W. Des Barres, his Majesty's Surveyor-General for the Colonies. The progress of his labors was interrupted by the Revolution. The surveys made under the personal superintendence of Des Barres still bear testimony to his skill and fidelity, and present a generally correct view of those parts of New England and the British possessions which, being rocky, are but little liable to change. They continue to form the principal basis of the charts of the northeastern coast of this continent. In the Southern and Middle States, however, they have been rendered worse than useless, by the inconstant character of the bottoms, and the unequal merit of the originals. The surveys of Des Barres, covering a vast extent of coast, were originally deficient in minuteness of detail, and in hydrographical information; and these defects have been increased by the rapid and extensive changes in the direction, means, and wants of navigation caused by the growth of the country.

The project of a complete survey, conducted upon a uniform system and extending over the whole coast, was first proposed by the late Professor Patterson, in 1806. It combined three objects, the astronomical determination of prominent points, a triangulation to connect those points, and a hydrographic survey based upon this triangulation. Mr. Gallatin, then Secretary of the Treasury, encouraged the project, and obtained in writing the opinions of learned men as to the best mode of executing it. He selected the plan of operations recommended by Mr. Hassler, the first Superintendent of the Coast Survey. This gentleman, a native of Switzerland, had been employed in the triangulation of the Canton of Berne, and had studied the science of geodesy under the most distinguished masters. It was exceedingly fortunate that his presence and advice here secured the early adoption of the only method of conducting a comprehensive trigonometrical survey that science approves, — the only one of which the results have a certain and permanent value.

It is only, however, since the year 1832 that the survey of the coast has been in steady and active operation.\*

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\* During this long interval of neglect on the part of the government, the coasting trade and foreign commerce of the country have been chiefly indebted to the indefatigable labors of those distinguished hydrographers, the Messrs. Blunt of New York, (both father and sons,) for the means of safe navigation.

The history of its fortunes, or rather misfortunes, during the preceding twenty-five years, may be recited in a few words. A law authorizing a survey of the coast was passed in 1807, but nothing was done under the law until 1811, when Mr. Hassler was sent to Europe to procure the instruments specified in his plan. They had all to be constructed. The war of 1812, and the failure of remittances, prevented Mr. Hassler's return before 1816, and in August of that year he was appointed to the office of Superintendent. In 1818, Mr. Hassler's connection with the work was broken off, by the repeal of that part of the law of 1807 which authorized the employment of citizens. During the ten years that followed, the coast survey seems to have been forgotten by the public and by Congress. In 1827, Mr. Southard, the Secretary of the Navy, a name never to be mentioned without an expression of the high respect which ability, patriotism, and long, faithful, and valuable services must always command in the republic, took occasion in his annual report to say, that perfect surveys and charts of our harbours could not be made without the aid of the means contemplated by the act of 1807, and in February, 1828, the House directed the Committee on Naval Affairs to inquire into the expediency of carrying into effect the provisions of that act. Finally, in 1832, the act of 1807 was revised, and an appropriation made for carrying it into execution, and since that period regular annual appropriations have been made, varying in amount, but generally such as have been called for by the estimates of the Superintendent.

In 1843, there was added to the appropriation a proviso, stipulating that a board, consisting of scientific persons in the service of the government, should be empowered to reorganize the work, and the plan presented by them, when approved by the President, was to be, and is now, the law regulating the operations of the survey. The scientific methods pursued by Mr. Hassler were continued, and it was directed that the topography should be carried so far inland as might be necessary for a proper delineation of the shore, and for purposes either of commerce or defence.

It is now understood that the aim of the coast survey is to furnish, with the utmost attainable accuracy, and in a connected and uniform manner, all the geographical, topographical, and hydrographical data that can be made in any way useful to the navigation and defence of the coast. And it is also supposed, that, in collecting these data, information will be accumulated that may become serviceable in suggesting and directing local and general improvements; such as the placing and constructing of light-houses, beacons, buoys, &c., the means of improving channels, the effect of contemplated constructions upon harbours and tidal deposits, the suitableness of a submerged soil for building, &c. And, lastly, it is presumed that those States through which the survey passes will, sooner or later, avail themselves of the base it is able to supply, to form a correct geographical map of their own territory, under circumstances very favorable to economy and accuracy. These are the practical benefits, either direct or incidental, conferred by the coast survey.

In abstract science it has also its mission, equally useful and distinguished. It is to contribute a part of the means by which the irregularly elliptical form of the earth may be satisfactorily determined, the variations in local gravitation, their causes, and thence the internal structure of the earth, be made known, and the phenomena of terrestrial magnetism be explained. It will illustrate the astronomical problem of the tides. Its numerous meteorological records will also contribute to a better knowledge of the climates of the United States, and of the nature and action of meteoric storms, and thus be of service to the farmer as well as the navigator.

The science of geodetics prescribes the principles upon which a survey of an extended region should be conducted. In the ordinary operations of land-surveying, the surveyor is permitted to regard his field of work as a plane surface; but the engineer who is to construct a map of a whole country, or of a long line of continuous sea-coast, must take into consideration the spheroidal figure of the earth, and present an exact delineation of that part of the spheroid upon which he is employed. This necessity controls the processes used in computation, and the plan of projection upon which the detailed results are given, whether it be called a map or chart. Both the projection and the formulæ for computation involve the higher mathematics, and require an acquaintance with the most advanced state of the mathematico-physical sciences.

The system of projection introduced by Mr. Hassler originated with Flamsteed. It is the development of a part of the earth's surface upon a cone, either a tangent to a certain latitude, or cutting two given parallels and two meridians equidistant from the middle meridian, and extended on both sides of the meridian and in latitude only so far as to admit of no deviation from the real magnitudes, such as would be sensible in the detail surveys. In this method of reducing the curved surface of the earth to a plane, the radii of curvature of the parallels and meridians, depending upon the value given to the expression for the ellipticity, and the assumed form of the globe, are important terms. For practical use, tables have been computed in the office of the coast survey, showing the length in metres of every minute and second of the arcs of the meridians and parallels comprehended in the maps. It has been found necessary to recalculate these tables since 1844, on account of the new value of the ellipticity announced by Bessel, and adopted by the present Superintendent. There will be occasion to recur to this subject.

The practical operations of the coast survey are classed under the general heads of triangulation, astronomical and magnetic observations, topography, and hydrography. The fundamental basis of the survey is a net-work of great triangles, the sides of which, varying from ten to sixty miles, are the longest that the limits of vision or the nature of the country will allow, and hence a mountainous region is much the most favorable for a first or *primary triangulation*. The starting line, or first side of the first triangle, called the *base line*, is measured by mechanical means, and this is a labor demanding, as much as any other on the survey,

accuracy, a philosophical regard to minute details, and long previous preparation. Observing, in passing, that several kinds of measuring-rods have been heretofore used, as wood and glass, and that the apparatus of Mr. Hassler consisted of an assemblage of four iron bars, each of them two metres in length, with which he obtained excellent results,\* it will, perhaps, best serve to convey an idea of the difficulty of measuring a base-line, if some account be given of Professor Bache's base-apparatus.

The measuring-bars are upon the compensating system, first used by Colonel Colby in Great Britain, and by Mr. Borden in the trigonometrical survey of the State of Massachusetts; but a principle not before applied was introduced in reference to the dimensions of the bars, which is thus stated. Bars of brass and iron (the materials employed), of the same dimensions, will not, owing to their different conducting powers and specific heats, heat equally in equal times, and therefore, during changes of temperature, the system ceases to be compensating. This Mr. Bache corrected by giving a coating to the bars that made them absorb equally, and by proportioning the sections to each other, so that both would have the same temperature during variable temperatures of the atmosphere. In order to do this satisfactorily, it was necessary to make direct experiments upon the materials of the bars themselves, after having first arranged them approximately by means of the numbers taken from the books. The contact between two sets of bars is made by a blunt knife-edge and a plane of agate, and a lever of contact at the ends of the bars is corrected by a level so delicate, that several of its divisions make up a quantity entirely insignificant in the measurement. The bars are covered with a double conical case of tin, to keep the fluctuations of the temperature within moderate limits, and the bases on which they are supported are covered with several thicknesses of imperfectly conducting material, for the same purpose. The length of the apparatus is compared, before and after final measurement, with a standard iron bar that had been compared in the coast-survey office by means of Mr. Saxton's reflecting pyrometer. By this instrument, a change of the one hundred thousandth part of an inch in the length of the standard bar is perceptible.

To the preceding description it should be added, that the bars (regulated in size by the relative specific heats of the two metals) were heated above the possible temperature to which they could be exposed in use, in order to give them a set. This precaution was at first overlooked in the compensation base-apparatus of the British ordinance survey, and it was afterwards found necessary to resort to it. Those who are at all familiar with the subject will perceive that Professor Bache's application of the lever of con-

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\* In 1817, the *preliminary* measurement of two base-lines was made by Mr. Hassler, and in 1834 the length of the same lines was determined by computation, carried from the new base on Tin Island beach. The difference between the measured and computed lengths of these lines was in one case less than a foot, and in the other about four inches; the bases themselves were 5.9 and 4.8 miles long.

tact and level (first used by Bessel in standards of measure) has not only greatly increased the delicacy of the instrument and lessened its complexity, but also removed several sources of error. By optical contact, and the employment of a microscopic apparatus to determine the distance between the compensation points, the measures are repeated in two different terms, each having its peculiar standard. Such was the case in the British and Indian surveys, and Colonel Everest complains of the consequent liability to error, and the burdensome accumulation of petty corrections. The re-measurement of a base of seven and a half miles, in India, differed, however, only 2.4 inches from the first length. In a base of seven miles, Professor Bache found that the same difference might be about 0.5 inch, if all the errors were supposed to fall on the same side, which is most improbable. The probable error in re-measuring one hundred and twelve yards was less than five thousandths of an inch, and the actual resulting error in re-measuring one third of a mile was nothing.

This may appear like refining too much, but it must be known that the lines measured by the same bar in winter and summer might differ materially in nominal length. This difference in the original base of the coast survey might be about twenty feet, and, at a rough estimate, an error of twenty feet in this place would amount in one of the large triangles, of which the sides are between fifty and sixty miles, to about one tenth of a mile.

The source of error and its correction being recognized, there is no other limit to accuracy than the possible.

We return now to the great triangles of the survey, which, as has been said, form its fundamental basis. The points of the primary triangulation are selected with scrupulous regard to all those conditions which make triangles, in the technical acceptance, good. Scattered at distant intervals over the vast field of work, they are certain guides by which the more detailed operations are conducted and controlled. Within them the space is subdivided into smaller triangles, constituting the *secondary* and *tertiary triangulations*. They bring down the work to the minute details of topography and hydrography, and these subsidiary triangulations and details, circumscribed as they are by the primary points, are restrained and corrected by them in their deviations. As an additional explanation of the necessity for this first net of great triangles, it may be well to inform the general reader that there is no instrument, however delicate in construction, that is not liable to very small errors, which the most studious attention to every disturbing influence, whether mechanical or meteorological, cannot altogether remove. Now this primary triangulation, which in a mountainous region spans the surface with giant strides, has fewer of these unaccountable errors, simply because it has fewer triangles. It is hardly necessary to add, that better instruments also are used in it. The two and a half feet theodolite, made by Simms (after Troughton's death), under Mr. Hassler's supervision, and used by him and by Professor Bache in

the primary triangulation, is still regarded in this country and in Europe as a masterpiece of invention and mechanism. It reads to seconds.

Magnetic and astronomical observations accompany the primary triangulation. The latter are for latitude, longitude, and azimuth, or angular direction from the meridian.

Following the secondary triangulation in order comes the *Topography*, the duty of which is to delineate faithfully the features of the ground. It exhibits the height and contour of elevations, the shape and extent of plains, the courses of streams, all the constructions of man, and the waving and indented outline of the shores. It distinguishes the tilled land from the pasturage, and the grove from the orchard, and designates the character of the woodland. It speaks a universal language, and observes strict fidelity to nature.

Depending upon the secondary triangulation and the topography for its means of progress, follows the *Hydrography*. In this term is included all that concerns local navigation, as the depths and character of the bottom, the direction and strength of the currents, the ebb and flow of the tides, and the information, coming under the head of sailing directions and nautical instruction, which make up the valuable knowledge of the local or general pilot. This branch enjoys the honor of announcing the nautical discoveries of the coast survey, which, though resulting from the combined operations of all, are yet brought out by its means.

In the preceding pages the plan of the survey is presented, and the general distribution of its labors is stated; it remains now to speak of the execution of the various details, and of the benefits that have been conferred by the coast survey upon science, and upon the local and general commerce of the country and of the world. In doing this it will be most convenient to keep to its actual state at this day.

It would not be just, however, to leave its past history without a tribute of respect to the memory and services of the man by whose enlightened efforts a right direction was given to the views of the government in founding the survey, who was faithful to it through thirty-five years of checkered fortunes, and who literally died in the performance of its duties, having written the last few lines of his final report after he felt that he had been touched by the hand of death. Educated in the best European schools of theory and practice, and devoted to the pursuits of science, for which he was eminently qualified by natural endowments, Professor Hassler always brought to the task before him that zeal and tenacity of purpose which give spirit to enterprises of great moment, and gain for them the name of action. He is honorably known for his mathematical and astronomical writings, and his papers in the *American Philosophical Transactions*, containing an account of the methods employed by him on the coast survey, will always be regarded as a valuable contribution to geometrical knowledge. Those who knew him intimately praise the ardor of his friendship, and the generosity of his disposition, while the labors

of his life, and the manner in which they were performed, bear ample witness to his industry and integrity. That he had some defects of character it is hardly necessary to say, for this is the inevitable lot of humanity; but they were not such as it requires the exercise of magnanimity to forget, and time, which is rapidly drawing over them the veil of perfect obscurity, will endear his name and his virtues to the reverent and affectionate respect of all true lovers of American science.

On the death of Mr. Hassler, in 1843, the appointment of his successor was regarded with deep interest by the learned men of the country. The office of Superintendent of the Coast Survey is recognized as one of the central positions of American science, and the incumbent is expected not only to be able to fulfil its prescribed duties, but to be qualified to direct his powers to the advancement of knowledge in every department of the work. How far the present Superintendent, Professor Bache, is suited to answer these expectations, to sustain the national reputation, and to promote the cause of science, may be estimated from the fact, that his appointment was solicited by gentlemen in all parts of the country, engaged in the pursuits of learning. He was educated at West Point, and since graduating there he has, in connection with the Franklin Institute and the University of Pennsylvania, followed a course of physical science that has made him well known in this country and in Europe. While travelling as the President of Girard College, he received from the principal European Academies distinguished marks of consideration. It is but justice to Professor Bache to say, that there is no branch of the work into which he has not been able to introduce improvements, either owing to the discoveries of the day, as in the use of the magnetic telegraph for meridian differences, or owing (still oftener) to his own great and eminent scientific attainments. This must appear in the course of these remarks, but it is quite as creditable to his administration to state, as may be done with strict accuracy, that the amount of results now obtained is double that under the former plan, for an increase of fifty per cent. in the cost.

The points of the *primary triangulation* are selected by means of a preliminary reconnoissance.\* As they constitute the authority to which the rest is subordinate, and by which it is controlled, it is of the greatest consequence to know the circumstances under which a satisfactory result may be secured with the least delay. The rule generally followed (and adopted by the former Superintendent) is to observe on those days only that appear entirely unobjectionable. This rule is attended with a serious loss of time. Mr. Bache has increased the rapidity of the work, and improved rather than diminished its value, by applying the mathematical test

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\*The reconnoissances that precede the triangulations are indispensable, and require great judgment. The object of the general reconnoissance is to make known the facilities and difficulties of the work, and to discover the best plan for its execution. A particular reconnoissance decides the position of the stations and presents a general sketch of the triangles in any section.

of the least probable error to observations made under such conditions as are ordinarily favorable and of frequent occurrence. The number of observations made under these conditions, which will reduce the probable error to what is attributable to the unavoidable errors of instrument and observer, is ascertained and taken as a governing rule. Six triangles measured by Mr. Bache in 1844 gave for the greatest difference from  $180^\circ$ , after allowing for the spherical excess,  $0''.2$  (of space) to each angle; from this, the difference descended to nothing.

Allusion has been made to the necessity of re-computing the first tables of projection, in consequence of the adoption of Bessel's latest determination of the ellipticity. The tables for computing the triangles have also been affected by this change, and the formulæ have been revised, and undoubtedly greatly improved in convenience and accuracy. The tables have undergone a further modification by substituting the *legal* ratio of the metre to the toise in the place of the arbitrary standard resulting from the ingenious, but (as Bessel has said) "not allowable," comparisons of Mr. Hassler.

This is the proper place to advert to the mode of operations pursued on the Southern coast. It was perceived, in the early progress of the work, that the inaptitude of this level region for a comprehensive triangulation was to be overcome, either by great expense, or by resources not yet developed. The most apparent expedient was that employed in the northern section of the great meridional arc of India, where it crosses the flat territory of the Doab. Costly edifices of masonry, with walls five feet thick at the base and two at the summit, are erected at each of the principal stations, and their height, about fifty feet, is sufficient to command a view above the vegetation. And this expedient was, if contemplated, in accordance with the former progress of the American survey, which, advancing in two directions from a central base, was necessarily slow.

In 1845, however, the present Superintendent exhibited in his annual report a plan for the more rapid execution of the survey, which consisted in dividing the whole of our extended seaboard, including the Gulf of Mexico, into nine sections, comprising a nearly equal extent of shore line, and in prosecuting the work separately and simultaneously in as many of these sections as the appropriations would allow. The work of each section is commenced by the measurement of a base-line, and, as the triangulation is extended, this base serves as the verification-base of an adjoining section. The rapidity of this plan is made apparent by considering that all the different processes of the survey (in their necessary order) may be conducted at the same time in every section, and thus, if the appropriations were sufficient, the whole coast might be completed in the time required for a single division of it. But this plan accommodates itself more easily to the character of the ground, than one in which the direction and progress are derived from previous connections. Indeed, every latitude is allowed for the selection of sites for bases, and for the most favorable dispo-



sition of the triangles; because each section is for the time a distinct undertaking. The combination of all will unite the extended coast of the United States into one comprehensive scheme of triangulation.

The value of permanent and conspicuous structures of masonry to designate points of primary triangulation is not, however, underrated. While temporary means of elevation are employed, such as the high tripods, with independent stands for the instruments, first used in Delaware Bay by the senior assistant of the survey, Mr. Edward Blunt, of New York, it must be remembered that the coast survey is enabled to avail itself of the light-houses, and other lofty structures along the coast. And it may be safely concluded that the governments of the Southern States will raise appropriate edifices at those points of the primary triangulation of the coast survey which limit the bases of their local operations.

Accompanying the primary triangulation, as an essential part of it, are the *astronomical* and *magnetic observations*. The former are for azimuth, latitude, and longitude. For the determination of azimuths, Mr. Bache has employed (for the first time on the work) the elongations of Polaris in its eastern and western digressions. At the time of elongation, when the change in altitude is most rapid, the movement in azimuth is nothing; and thus the opportunity is enjoyed of making careful and deliberate observations. This method is independent of local time. By using several circumelongation observations, a mean of a number of results is substituted for a single one. In this reduction a very simple formula, first investigated by Mr. Nulty of Philadelphia, has been applied, and the practice is simplified by the use of tables for the computations of latitude, subjected to a slight trigonometrical change. It is proper to state that this method has been in use on the survey since 1845, as one similar to it, if not identical with it, has recently been communicated to the Royal Astronomical Society of London.

The Superintendent has adopted the suggestion of the Astronomer Royal at Greenwich, who proposed referring the points of greatest elongation of circumpolar stars to marks in the horizon, by perpendicular lines demitted by means of an altitude and azimuth circle. Elongation signals are established about two miles distant, consisting of a delicate wand by day, and a lamp by night, the latter seen through a perforated board.

The determinations of the latitude (as well as of the azimuths) are frequent. Since 1844 fourteen stations \* have been occupied for latitude, and seven for azimuth, in Sections I., II., and III. of the survey. A comparison of the latitudes deduced geodetically from a central point with astronomical

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\* At the astronomical station at Nantucket, important as the southern extremity of the longest arc of the meridian that can be determined on the New England coast, the observations have been for several years in the hands of William Mitchell, Esq., and his assistant. During the past year Mr. Mitchell has observed 155 culminations of the moon and of moon-culminating stars, 5 occultations, 93 series of altitudes for latitude with the West Point repeating circle, 89 prime vertical intervals, and 160 meridian transits.

determinations led the Superintendent, in 1844, to the discovery of certain variations in the level, which could only be attributed to changes in form and density of the material composing the earth's crust. These variations are *similar* to those caused by the proximity of mountains; but whilst the latter have been well understood, the former had escaped notice. The numerous determinations of this element will therefore occupy an important place in the future discussions of the general form and internal structure of the earth. A similar discovery has since been made in the ordinance survey of Ireland by Major-General Colby, and appears to have been anticipated by Laplace in the opinion given by him in the Chamber of Peers, in 1817, upon the topographical map of France: — "If the latitudes of the extreme points (of certain lines) and of several intermediate points are observed, and the length of the seconds pendulum corresponding to these points measured, a great deal of light will be thrown upon the figure of the earth, and upon the irregularities of its degrees and of gravity."

It is very interesting, in this respect, to know that latitudes observed at the extremities of the side of a triangle, and forward and backward azimuths on the same line, have differed by several seconds, and that these deviations in the plumb-line have occurred where the want of uniformity (whether arising from differences in density, or the want of homogeneity of structure) was not apparent as a topographical feature of the country.\*

After the computations from which the preceding conclusions are derived were verified, the results were confirmed by the introduction of new instruments on the work. During the last year, a zenith telescope has been used for obtaining the latitude, by a method invented by Captain Talcott, which consists in observing the differences of zenith distances of stars culminating within a short distance of each other, and at nearly the same altitudes, on different sides of the zenith. The circummeridian altitudes by the repeating circle, the prime vertical transits, and the absolute measurement of zenith distances by the zenith sector, are still used.

Observations for the comparison of these instruments and methods have been made by the Superintendent, and by Captain T. J. Lee, of the U. S. Topographical Engineers, an assistant in the coast survey, whose valuable labors have been chiefly devoted to the astronomical and magnetic observations.

Of the *magnetic observations* it will be sufficient to say, as an indication of their character, that they are made with the new instruments invented by Dr. Lloyd and Mr. Weber. The portable declinometer of Mr. Weber (perfected by Lieutenant Riddle and manipulated according to his instructions) measures inclination, and, by a subsidiary apparatus, the horizontal

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\* It has been recently announced that the irregular and unsatisfactory results of La Caille's measure at the Cape of Good Hope are due to the local attractions at the astronomical stations of his arc.

force, by the method of Gauss. Fox's dip circle, with the use of the deflecting magnet, has given very satisfactory results. By means of these instruments, the *declination*, *inclination*, and *intensity* (horizontal and vertical) are determined in a manner that supplies all that is practically necessary and contributes valuable additions to general magnetic researches.

Longitudes have been determined by occultations, eclipses, moon-culminations, and the frequent transportation of chronometers. Mr. Bond, the director of the observatory at Cambridge, Mass., communicates the meridian differences by chronometers between the British observatories and Boston.

All determinations of this element are referred to a principal port on the sea-coast, and are connected in the aggregate with differences obtained from Europe by chronometric and astronomical comparisons. The security against error afforded by employing persons to compute, who are disconnected with the duties of the field or the observatory, is well understood. Gentlemen in private life are engaged to repeat the important calculations of the survey, and this system, which enlarges the sphere of labor in a way not less commendable for its economy than for its other advantages, receives universal sanction.

But the discoveries of Professor Henry, (Secretary of the Smithsonian Institute,) resulting in the invention of the magnetic telegraph, have provided a new and more precise method of arriving at the difference between the times of two places, or their difference of longitude expressed in time.

The details of these observations are consigned to Mr. S. C. Walker. The following concise account of the manner of transmitting the signals, of the possible errors of observation, and of the real value of the results, is from the pen of Dr. Bache.

"The signals are given at one of the stations by pressing a key, which causes a closing of the circuit. This closing it is intended shall be simultaneous with the ticking of a clock or chronometer at the station. The circuit being closed, if the electrical wave or current takes a sensible time to propagate itself, or to pass from one station to another, the absolute time in which the signal reaches the second or receiving station is sensibly different from that of making the signal at the first or giving station. A coil about the poles of a horseshoe magnet of soft iron forms part of the circuit through which the electrical effect is transmitted. Under its influence the soft iron becomes magnetic, attracting the soft iron bar (armature or keeper) delicately poised at a determined distance from the poles of the magnet; the movement of this keeper sets in action a local battery, which gives sufficient power to make the dots and lines constituting the Morse telegraphic signals. The click of the keeper of this temporary magnet is compared, at the receiving station, with that of a clock or chronometer, thus marking the time at which the signal made at a known time at the giving station is received. From this explanation, it appears that there is liability to error."

Dr. Bache then proceeds to enumerate five possible errors, numbered in order, and shows that the numerical values can be in each case assigned to two (viz. 1 and 5), and that one (viz. 2) is insensible. A comparison of the observations proves that the errors denoted by 3 and 4 are cancelled by a very small residual quantity having the opposite sign, and "the interesting consequences follow, that 'the telegraphic method of comparing clocks, distant two hundred miles from each other, is free from error when the method of coincidence of beats is employed; and that the probable error of the longitude, from this method, is the same as the mean result of the computed relative correction of the clocks for the nights of observation.' An investigation of the probable value of such error shows that, under favorable astronomical circumstances, and with due care in the use of the transit instrument, 'the astronomical difference of longitude between any two stations of a trigonometrical survey may be determined by telegraphic signals, with a degree of precision of the same order as that of difference of latitude,' the inaccuracy depending upon the same causes as the deviation of the plumb-line."

Before concluding with the primary triangulation, it must be observed that Dr. Bache uses reciprocal vertical angles for determining differences of heights at the primary stations. These angles may be measured at a time of day when it is impracticable to observe horizontal angles, and the effect of refraction near the surface is investigated by a long series of observations.

The space circumscribed by the terrestrial angles of the first order, and defined by the celestial observations that accompany them, is subdivided into a minute network of smaller triangles, constituting the *secondary* and *tertiary triangulations*, the points of which embrace and determine headlands, light-houses, beacons, churches, hills, and all conspicuous objects along the coast, that can be made useful in its navigation. They also bring down the work to the details of the topography and hydrography, and supply the bases for these branches of the survey.

It has been already mentioned, that the topography is minutely and exactly descriptive of the ground, both in form and character. The Lehman system of topographical drawing has been adopted, but with such modifications as the nature of this country exacted, in order to preserve the beauty of the maps. The slopes are represented by hachures, the strength and distance apart of which indicate the degree of inclination. In the original maps, the horizontal curves limiting the different slopes are drawn in red ink, as the draughtsman progresses in his sheet.

The scale of the original sheets is  $\frac{1}{10000}$ , or about  $6\frac{3}{4}$  inches English to the mile. Plans are frequently executed in the field, and furnished from the office, when wanted for local improvement, on twice this scale. But the charts designed for navigators are necessarily reduced in dimension. The harbour charts are published on the scale of  $\frac{1}{20000}$ , or about  $3\frac{1}{4}$  inches English, and the more general charts on that of  $\frac{1}{30000}$ , or about three fourths of an inch to the mile; which last is the scale of the *great* topographical

map of France. In all the maps, the topographical details are faithfully preserved, including height, contour, &c.

It appears from the report of the council of the Royal Astronomical Society to the twenty-seventh annual general meeting, that a similar scale of execution, and an equal fidelity of representation in the topographical details, have been finally attained in the ordinance maps of England and Ireland. In both the American and English maps, the subdivisions of the meridians and parallels are so minute, that parts of a second of space can be estimated.

As the first object of the coast survey is the knowledge of our own shores and inland waters, and the general improvement of the navigation, both external and internal, of the coast, so the large class of facts and researches embraced in the general term *hydrography* are regarded as being of paramount importance. It is to the hydrography that the friends of the coast survey direct the public attention for the evidences of its great practical utility, and the discoveries in this department have been so numerous and valuable, as to secure for it a high degree of public favor.

The first popular inquiry concerning the coast survey is as to the progress it has made, and this inquiry is satisfied by learning the extent of the shore line over which the hydrographer has passed. But before estimating its performance in this way, it is necessary to say, that, as the operations of the triangulation, &c., must precede the hydrography, this leads to an unfair estimate. The hydrography can only be laid down when the trigonometrical points on which its operations are based have been established; thus two thirds of the work may be completed when the hydrographical labors commence.

In 1844, the first year of Dr. Bache's superintendence, nine States on the Atlantic seaboard shared in the benefits conferred by the coast survey; in 1845, thirteen States; in 1846, fifteen; and in 1847, eighteen States. The estimates for the present year include all the States on the Atlantic and the Gulf of Mexico, and it may be inferred at once from this statement, that, if sufficient appropriations are supplied by Congress, a definite and not distant period can be assigned for the completion of the whole work.

Having premised this statement, which was necessary to give a correct idea of the progress of the work, it may be added that the nautical parts of the survey have extended, generally, from Nantucket Sound to Hampton Roads nearly, including the Vineyard Sound, Block Island and Long Island sounds, with all their harbours, great and small, New York bay and harbour, Delaware bay and river, a large part of Chesapeake Bay, together with most of the rivers emptying into it north of the Potomac, and all the external sea-coast, from the southern coast of Massachusetts to the Capes of the Delaware.

In this broad field a little remains to be done, but very little in comparison with the whole. In addition to the above, something has been accomplished in the hydrography of Albemarle and Mississippi sounds, and in

the latter especially great benefits have already resulted to its local commerce.

It will give, perhaps, the best idea of the value of the hydrographical work to enumerate some of those discoveries and corrections which, in different places, have signalized the progress of the coast survey.

The first of these in order and in merit is the discovery of a new channel, straighter and deeper than the channels before known, over the outer bars of New York harbour. Such a gift as this to the first commercial city of the continent, where it was very much needed, ought to gain permanent favor for the enterprise by which it has been made.

Important changes in the main ship-channel near Sandy Hook were first noticed by Major Bache, of the Topographical Engineers, by a comparison of his own limits with those of the coast survey in 1842, and this discovery has since been confirmed by the latter. So rapid has been the accumulation upon the extreme point of the Hook, that the high-water-mark now stands where there was a depth of 40 feet in 1836. The Chamber of Commerce of New York has gratefully acknowledged the communication of this important fact by the present Superintendent.

In Delaware Bay a new and straight channel was discovered, lying parallel to the main ship-channel, more narrow than the latter, but likely to prove serviceable in scant winds, and better sheltered from floating ice. Three channels were opened through the ridges of Cape May, and a passage made known through the "Over-falls." The future changes in the latter, which may prove to be the germ of a new pass to the ocean, will be watched with interest.

The result of the survey in Delaware Bay has been wholly to change the form of the bottom, as it stood on the old charts. Some shoals have been erased altogether, a new one near the deep water of the channel-way has been added, and the limits, shape, depth, and direction of every shoal in the bay have been altered.

In Long Island Sound, Buzzard's Bay, Massachusetts Bay, and Chesapeake Bay, so much has been added to the safety of navigation by laying down positions correctly, and by good sailing-directions, but chiefly by the actual discovery of useful channels or of hidden and unknown dangers, that a list of these additions alone would occupy too much space. In Long Island Sound, a rock having only 13½ feet water on it, on the Cerberus shoal, was discovered and determined by the brig Washington, in September, 1845; and in the same year three rocks were found in the most frequented part of Buzzard's Bay, by the Gallatin. Changes of the highest importance, which, owing to natural causes, had taken place in the channel-way of the entrance to Mobile Bay, were found out by the Phoenix in 1847.

In the off-shore work, the most valuable discoveries have been made by the hydrographical party employed on the Nantucket Shoals. They deeply concern the navigation, foreign and domestic, of the whole coast, especially the European trade from New York and the West India trade

from the Eastern States. The insurance-offices of New York and Boston have publicly acknowledged their obligation for these discoveries.

To this part of the hydrography belongs the *exploration of the Gulf-stream*, an enterprise that originated with the present Superintendent. This is a work of difficulty and time. It was commenced by the hydrographical assistant in command of the brig *Washington*, in 1845, who obtained bottom near the inner edge of the stream at the depth of seven thousand eight hundred feet, and the marked and rapid change of temperature at this place gave reason to hope, that a curve of similar depths might be traced, corresponding to the inner line of direction of the Gulf-stream, of which any point would be known when crossing, from the characteristic changes of temperature. The latitude (the most easy of the two coördinates to ascertain correctly) being given, the ship's longitude would result sufficiently near the truth to be of essential service in approaching the coast. The deep-sea and surface temperatures were both taken in 1845.

Lieutenant Bache succeeded to the charge of this duty in 1846. Professor Henry has thus spoken of his merits and success:—"In the last report, an account was given of a series of observations on the Gulf-stream, made by Lieutenant Geo. M. Bache, whose life fell a sacrifice to his zeal in the discharge of his duty, and whose loss science was called upon to mourn just as he was commencing, with his accustomed ardor, the investigation of one of the most interesting phenomena of our globe. The results he obtained will be given to the world in another publication, and it will be sufficient to state in this place that he examined three entire sections across the stream. His researches exhibit the remarkable fact, that the whole current of warm water, to the depth of at least four hundred and eighty fathoms, divides itself into two principal branches, separated by a portion of cold water, and that the transition from the cold water, along and next to the coast, is almost instantaneous, as if the two were separated by a nearly perpendicular wall, slightly inclining to the east at the top."

The subject of the tides is now receiving for the first time, in this country, proper attention. The tide-tables on the charts contain all the information as to times, heights, and durations, that is required in practice. Corrected establishments are deduced from the means of the luni-tidal intervals combined for each half-hour of transit. The astronomical problem of the tides is worked out for prominent points, where the observations have sufficiently accumulated.

The mean curves of semi-menstrual inequality of time and height, corrected for the mean annual parallax and declination, are compared with the curves of observation (freed from the diurnal inequality) at each semi-lunation, and the variations in the times and heights of high water, due to changes in the moon's declination and distance from the earth, are tabulated for the future improvement of the tide-tables.

By the continuance of careful and constant observations, the means will

be supplied of adding to the knowledge of the diurnal and solar inequalities, and of studying all other phenomena of the tides. The residual errors that appear in the semi-menstrual curves, after eliminating the effects of parallax and declination, are caused by atmospheric changes. The local influence, therefore, of particular winds, and the general effect of changes in the pressure of the atmosphere, are to be investigated, and enough is already known to prove that the seaman will derive great profit from this part of the labors of the coast survey.

The direction and velocity of tidal currents are now carefully determined for the normal condition of the tides, and for their disturbance by winds and storms, and a knowledge of the courses and conflicts of the tides in the harbours and inland waters of the United States (as Long Island and Vineyard sounds) will also result from the comparison of numerous records, kept with a special view to their investigation.

To the preceding account of the operations of the coast survey it must be added, that the reduction of the maps to the scale of publication, the engraving and printing of them, are entirely executed in the office at Washington. An exception is made in the engraving of the smaller harbour maps, particularly of the harbours of refuge. They are sometimes placed in the hands of private artists, which serves the double object of an earlier publication and of encouraging the art of map-engraving in this country.\* The office at Washington contains, also, workshops, at which the various instruments of the survey are repaired and made. All the details of the office duties, whether relating to the verification and engraving of maps, or the occupation of the workmen, in the absence of the Superintendent, are under the direction of Captain A. A. Humphreys, of the Topographical Engineers, an assistant.

As the operations of the coast survey are numerous and various, and its duties very multiplied in detail and complicated in their connection, it will be readily believed that the direction and adjustment of them,—the instructions, the reports, and communications arising from them,—make the office of Superintendent one of increasing labor and responsibility.

Besides personal attention to these duties, Dr. Bache occupies the station of the primary triangulation at the north, and the observations, whether geodetic, or astronomical, or magnetic, are either made by himself, or under his immediate supervision. In the same manner he has also measured a base-line for Section VIII., on Dauphin Island, and carried the main triangulation across from the Chesapeake to Washington. In a work of such magnitude and extent, occasional indirect contributions

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\* The propriety of publishing to the world the important results of the coast survey as soon as obtained was immediately recognized by Professor Bache. In the case of a discovery affecting the general navigation of the coast, like that of the "New South Shoal," a "preliminary sketch," anticipating the complete chart, has been freely distributed. In other cases, information has been disseminated through the press, or furnished by authority to chart-sellers.



to knowledge may be expected, and there is every disposition to make them.

A point of interest to the geologist, developed by the operations of the coast survey, is the changes that are constantly occurring in different parts of the coast. In this respect its present accurate determinations will furnish in future the means of interesting comparisons. It must be remarked here, also, that too much importance cannot be assigned to this view of the results of the coast survey. With regard to most harbours of consequence, the question is repeatedly asked, whether they have undergone any change; and this question can rarely be satisfactorily answered, for the want of a correct standard of comparison. The charts of the coast survey will enable the future hydrographer to point out the changes, if any, and the future engineer, in his endeavours to improve or to preserve the channels of navigation, will, by a careful study of these changes, be able to guard against the causes of obstruction, and to coöperate intelligently with natural laws, instead of blindly opposing their effects. The manner in which harbours are affected by the matter held in suspension by the rivers emptying into them, that is, the place and form in which this matter is deposited, will receive such elucidation from the inquiries of the coast survey as will assist the counsels of the constructing engineer.

The charts of the coast survey exhibit, as far as they go, a view of the topographical formation of the bottom of the sea. Specimens are collected, and preserved in the office, of the bottom in all its varieties, and it was the intention of the late Lieutenant Bache to form a geological map, on which the materials thus collected should appear, in the natural order of their formation. Besides serving as useful indications to the navigator and pilot, they prove to be, when placed under the microscope, highly interesting to the naturalist. The deep-sea soundings have been examined by Professor I. W. Bailey, of West Point, and have been found to be filled with organisms, particularly those of the calcareous polythalamia, to an amount that is really amazing, hundreds of millions existing in every cubic inch.

“One specimen, from the depth of ninety fathoms, is crowded with remains, most of them large enough to be recognized by a practised eye without the aid of a magnifier.” And it is not impossible that, in similar cases, science may supply the mariner with another mode of recognizing the character of the bottom.

In 1847, Professor L. Agassiz, of Cambridge, accompanied one of the hydrographical parties engaged in the off-shore work, by the invitation of its commander, and enjoyed an opportunity of examining the animals inhabiting depths that are rarely accessible.

It proved to be a rich field of discovery. Not only many new species, but several new genera, were added to the known lists; the subject of embryology received fresh illustrations, and a new light was thrown upon the laws of the geographical distribution of animals, showing that in the differ-

ent depths of the sea, as in the elevations of the land, distinct families have each their assigned and native dwelling-place.

It would lead to but a partial estimate of the value of the coast survey, to omit these examples of its incidental benefits to knowledge. There are others upon which there is not room to dwell. The friends of this work have reason to be satisfied with its progress, and it is confidently believed that they may lay aside all apprehensions for its future prosperity. It rests upon the firm support of a controlling public opinion in the government and among the people. Working, as it does, in a field that is useful and honorable, and being conducted in all its branches with zeal and efficiency, it cannot fail to add every year to the consideration with which it is now regarded, not only at home, but in every country where science and its application to the arts of life are justly appreciated.

## II. METEOROLOGICAL INFORMATION.

### I. METEOROLOGICAL TABLES FOR SACO, ME.

*Lat. 43° 31' N., Long. 70° 26' W. By James Garland.*

| Months. | Monthly Means of Barometer. |          |         |       |          |          | Monthly Means of Attached Therm. |          |         |        | Monthly Means of External Therm. |          |         |        |          |          |
|---------|-----------------------------|----------|---------|-------|----------|----------|----------------------------------|----------|---------|--------|----------------------------------|----------|---------|--------|----------|----------|
|         | Sunrise.                    | 14 P. M. | Sunset. | Mean. | Maximum. | Minimum. | Sunrise.                         | 14 P. M. | Sunset. | Mean.  | Sunrise.                         | 14 P. M. | Sunset. | Mean.  | Maximum. | Minimum. |
| 1847.   |                             |          |         |       |          |          |                                  |          |         |        |                                  |          |         |        |          |          |
| July    | 30.08                       | 30.09    | 30.10   | 30.09 | 30.30    | 29.79    | 64.0                             | 78.7     | 70.8    | 71.17  | 69.2                             | 79.8     | 69.8    | 72.93  | 90       | 46       |
| Aug.    | 30.08                       | 30.09    | 30.08   | 30.08 | 30.38    | 29.73    | 59.2                             | 75.2     | 71.0    | 68.47  | 61.6                             | 73.0     | 65.5    | 66.70  | 85       | 47       |
| Sept.   | 29.98                       | 29.94    | 29.98   | 29.96 | 30.34    | 29.37    | 55.0                             | 59.8     | 59.8    | 58.20  | 51.7                             | 64.1     | 57.0    | 57.60  | 80       | 35       |
| Oct.    | 30.05                       | 30.03    | 30.05   | 30.04 | 30.60    | 29.36    | 39.5                             | 54.8     | 50.3    | 48.20  | 37.4                             | 53.4     | 44.7    | 45.16  | 69       | 14       |
| Nov.    | 29.99                       | 30.00    | 29.98   | 29.99 | 30.50    | 29.46    | 36.6                             | 46.5     | 42.7    | 41.93  | 35.1                             | 44.0     | 38.1    | 39.06  | 63       | 0        |
| Dec.    | 30.02                       | 30.01    | 30.00   | 30.01 | 30.47    | 29.40    | 29.0                             | 34.9     | 34.2    | 32.70  | 26.9                             | 35.1     | 32.5    | 31.50  | 62       | -5       |
| 1848.   |                             |          |         |       |          |          |                                  |          |         |        |                                  |          |         |        |          |          |
| Jan.    | 30.07                       | 30.02    | 30.02   | 30.03 | 30.57    | 29.50    | 19.9                             | 27.3     | 25.9    | 24.37  | 19.3                             | 27.2     | 26.4    | 24.30  | 48       | -17      |
| Feb.    | 29.79                       | 29.83    | 29.79   | 29.80 | 30.23    | 29.00    | 19.9                             | 33.9     | 28.8    | 27.54  | 15.8                             | 30.5     | 26.0    | 24.10  | 45       | -8       |
| Mar.    | 29.89                       | 29.92    | 29.93   | 29.91 | 30.20    | 29.50    | 24.2                             | 40.1     | 35.1    | 33.14  | 22.0                             | 36.5     | 31.5    | 30.00  | 55       | -7       |
| Apr.    | 29.98                       | 29.99    | 30.01   | 29.99 | 30.63    | 29.04    | 35.2                             | 53.2     | 48.6    | 45.67  | 35.8                             | 51.9     | 47.1    | 44.93  | 63       | 24       |
| May     | 29.85                       | 29.90    | 29.91   | 29.88 | 30.30    | 29.26    | 50.3                             | 60.7     | 54.8    | 55.27  | 43.2                             | 60.9     | 54.9    | 54.66  | 76       | 30       |
| June    | 29.88                       | 29.92    | 29.92   | 29.91 | 30.17    | 29.70    | 56.6                             | 71.2     | 63.4    | 65.40  | 61.07                            | 69.3     | 61.9    | 64.09  | 90       | 40       |
| M'n.    | 29.971                      | 29.978   | 29.98   | 29.97 |          |          | 40.791                           | 53.028   | 49.2    | 47.672 | 40.339                           | 52.141   | 46.283  | 46.252 |          |          |

### 2. WINDS AND CLOUDS.

| Months. | Force of Wind, 0—6. |          |         |       | Quantity of Clouds, 0—10. |          |         |       | Direction of the Wind. |                  |                   |                  | Depth of rain in inches. |
|---------|---------------------|----------|---------|-------|---------------------------|----------|---------|-------|------------------------|------------------|-------------------|------------------|--------------------------|
|         | Sunrise.            | 14 P. M. | Sunset. | Mean. | Sunrise.                  | 14 P. M. | Sunset. | Mean. | Days North-windy.      | Days West-windy. | Days South-windy. | Days East-windy. |                          |
| 1847.   |                     |          |         |       |                           |          |         |       |                        |                  |                   |                  |                          |
| July    | .79                 | 1.10     | .95     | .946  | 3.84                      | 4.03     | 4.03    | 3.977 | 3                      | 6                | 21                | 1                | 3.258                    |
| Aug.    | .50                 | .72      | .60     | .606  | 5.00                      | 6.30     | 6.30    | 5.870 | 6                      | 2                | 20                | 3                | 4.390                    |
| Sept.   | .94                 | 1.06     | 1.20    | 1.063 | 6.33                      | 6.33     | 7.00    | 6.560 | 11                     | 2                | 9                 | 8                | 4.434                    |
| Oct.    | .78                 | 1.42     | .90     | 1.033 | 4.30                      | 4.55     | 3.45    | 4.100 | 10                     | 10               | 9                 | 2                | 3.736                    |
| Nov.    | .50                 | .90      | .90     | .766  | 6.03                      | 5.20     | 5.50    | 5.570 | 8                      | 7                | 13                | 2                | 4.224                    |
| Dec.    | .70                 | .60      | .50     | .600  | 7.00                      | 6.49     | 4.32    | 5.930 | 7                      | 13               | 5                 | 6                | 4.598                    |
| 1848.   |                     |          |         |       |                           |          |         |       |                        |                  |                   |                  |                          |
| Jan.    | .77                 | .76      | .74     | .756  | 5.13                      | 5.00     | 5.30    | 5.140 | 9                      | 10               | 6                 | 6                | 2.348                    |
| Feb.    | 1.00                | 1.10     | 1.00    | 1.033 | 4.17                      | 3.89     | 3.35    | 3.800 | 14                     | 12               | 2                 | 1                | 3.250                    |
| Mar.    | .71                 | .93      | .70     | .780  | 4.93                      | 5.40     | 5.52    | 5.280 | 15                     | 9                | 5                 | 2                | 2.436                    |
| Apr.    | .77                 | 1.35     | .90     | 1.000 | 4.75                      | 4.46     | 4.40    | 4.540 | 5                      | 7                | 13                | 6                | 1.504                    |
| May     | .60                 | .94      | .90     | .810  | 7.06                      | 6.37     | 7.10    | 6.540 | 4                      | 8                | 12                | 6                | 8.128                    |
| June    | .83                 | 1.53     | 1.00    | 1.120 | 4.46                      | 6.02     | 6.02    | 5.500 | 5                      | 10               | 7                 | 8                | 2.026                    |
| M'n.    | .741                | 1.03     | .868    | .875  | 5.25                      | 5.336    | 5.191   | 5.259 | 97                     | 96               | 122               | 61               | 44.332                   |

For winds, 0 denotes a calm ; 6, a gale.

For clouds, 0 denotes a clear sky ; 10, rain or snow.

Coldest day, January 11, 1848, —17°.

Saco River closed by ice, December 22, 1847.

“ “ opened, March 27, 1848.

White frost, June 12, 1848.



## III. METEOROLOGICAL TABLES FOR MENDON, MASS.

*Lat. of Spire of Unitarian Church, 42° 06' 23" N., Long. 71° 33' 35" W. from Greenwich.\* By John Geo. Metcalf, M. D., Member of the American Statistical Association. For the Year 1847.*

| Months.<br><br>1847. | Weather.     |             |            |              |             |             |          | Thermometer.   |       |                |       |        |                   |         |         |         |       |      |
|----------------------|--------------|-------------|------------|--------------|-------------|-------------|----------|----------------|-------|----------------|-------|--------|-------------------|---------|---------|---------|-------|------|
|                      | Coldest day. | Warmest da. | Fair days. | Cloudy days. | Rainy days. | Snowy days. | Thunder. | Greatest cold. | Date. | Greatest heat. | Date. | Range. | Mean Temperature. |         |         |         |       |      |
|                      |              |             |            |              |             |             |          |                |       |                |       |        | Sunrise.          | 9 A. M. | 3 P. M. | 9 P. M. | Mean. |      |
| January, . . . . .   | 22           | 5           | 18         | 13           | 4           | 5           |          | 2              | 23    | 47             | 5     | 45     | 21.9              | 24.2    | 29.5    | 24.9    | 26.0  |      |
| February, . . . . .  | 23           | 3           | 11         | 17           | 2           | 8           |          | 0              | 24    | 47             | 3     | 47     | 20.5              | 25.0    | 29.1    | 24.3    | 25.0  |      |
| March, . . . . .     | 16           | 21          | 15         | 16           | 3           | 5           | 1        | 11             | 3     | 52             | 25    | 41     | 24.1              | 29.8    | 34.6    | 28.4    | 29.0  |      |
| April, . . . . .     | 1            | 22          | 14         | 16           | 3           | 3           | 1        | 10             | 1     | 83             | 22    | 73     | 34.6              | 42.3    | 45.0    | 37.6    | 39.8  |      |
| May, . . . . .       | 2            | 23          | 20         | 11           | 3           | 1           |          | 13             | 3     | 82             | 28    | 47     | 46.0              | 55.8    | 61.9    | 50.8    | 51.0  |      |
| June, . . . . .      | 15           | 23          | 18         | 12           | 14          | 3           |          | 4              | 47    | 20             | 90    | 23     | 43                | 57.0    | 65.3    | 70.6    | 60.0  | 63.0 |
| July, . . . . .      | 30           | 20          | 24         | 7            | 6           | 3           |          | 8              | 43    | 30             | 92    | 20     | 49                | 62.2    | 75.1    | 79.8    | 68.1  | 71.2 |
| August, . . . . .    | 26           | 12          | 23         | 8            | 3           | 3           |          | 4              | 30    | 84             | 10    | 36     | 59.7              | 69.7    | 74.9    | 64.9    | 67.2  |      |
| September, . . . . . | 29           | 4           | 15         | 15           | 3           | 3           |          | 1              | 41    | 16             | 87    | 4      | 46                | 55.0    | 62.0    | 65.3    | 57.0  | 59.8 |
| October, . . . . .   | 27           | 25          | 23         | 8            | 9           | 3           |          | 13             | 27    | 68             | 6     | 55     | 40.0              | 47.9    | 52.7    | 43.9    | 46.0  |      |
| November, . . . . .  | 30           | 4           | 15         | 15           | 6           | 3           |          | 4              | 30    | 73             | 4     | 69     | 38.0              | 44.8    | 47.9    | 41.7    | 43.0  |      |
| December, . . . . .  | 27           | 10          | 10         | 21           | 3           | 8           |          | 0              | 27    | 63             | 2     | 63     | 30.3              | 34.6    | 38.7    | 33.8    | 34.3  |      |
| Year, . . . . .      |              |             | 206        | 159          | 36          | 27          | 16       | 0              |       | 92             |       | 92     | 40.7              | 48.0    | 52.5    | 44.5    | 46.2  |      |

## 2. WINDS AND CLOUDS.

| Months.<br>1847.     | Monthly Means of the Force of Wind, 0—6, at the hours |         |         |         |       | Monthly Means of Clouds, 0—10, at the hours |         |         |         |       | Direction of the Wind. |        |       |       |       |        |       |       |
|----------------------|---|---------|---------|---------|-------|---|---------|---------|---------|-------|------------------------|--------|-------|-------|-------|--------|-------|-------|
|                      | Sunrise.  | 9 A. M. | 3 P. M. | 9 P. M. | Mean. | Sunrise.                                    | 9 A. M. | 3 P. M. | 9 P. M. | Mean. | N. W.                  | North. | N. E. | East. | S. E. | South. | S. W. | West. |
|                      |   |         |         |         |       |   |         |         |         |       |                        |        |       |       |       |        |       |       |
| January, . . . . .   | 1.1   | 1.6     | 2.3     | 1.5     | 1.5   | 6.0   | 5.7     | 4.9     | 3.7     | 5.0   | 12                     |        | 2     | 3     | 1     | 4      | 5     | 4     |
| February, . . . . .  | .6  | 1.5     | 2.1     | 1.1     | 1.2   | 6.9   | 6.9     | 6.8     | 5.5     | 6.5   | 10                     | 1      | 3     | 3     | 1     | 1      | 3     | 4     |
| March, . . . . .     | 1.2   | 2.1     | 2.1     | 1.2     | 1.5   | 5.1   | 5.5     | 4.0     | 4.4     | 4.8   | 9                      | 2      | 5     | 3     | 4     | 4      | 3     | 3     |
| April, . . . . .     | .7  | 2.3     | 2.9     | 1.7     | 1.8   | 5.1   | 5.3     | 4.4     | 3.7     | 4.5   | 10                     |        | 2     | 2     | 1     | 15     |       |       |
| May, . . . . .       | .8  | 1.9     | 2.1     | .8      | 1.3   | 4.9   | 4.7     | 4.8     | 5.0     | 4.7   | 1                      |        | 11    | 2     | 4     | 10     | 3     |       |
| June, . . . . .      | 1.3   | 2.3     | 2.8     | 1.5     | 1.8   | 4.2   | 3.9     | 3.7     | 4.1     | 3.8   | 5                      |        | 3     | 3     | 1     | 13     | 2     |       |
| July, . . . . .      | 1.1   | 1.9     | 1.9     | 1.1     | 1.5   | 3.0   | 3.4     | 3.9     | 3.6     | 3.2   | 4                      |        | 3     | 3     | 2     | 1      | 18    |       |
| August, . . . . .    | .9  | 1.7     | 1.9     | .9      | 1.6   | 5.0   | 5.1     | 4.2     | 4.0     | 4.5   | 6                      |        | 4     | 3     | 2     | 12     | 4     |       |
| September, . . . . . | 1.1   | 1.8     | 2.1     | 1.1     | 1.5   | 6.6   | 6.3     | 5.6     | 5.3     | 5.7   | 8                      |        | 7     | 3     | 1     | 3      | 6     | 2     |
| October, . . . . .   | .8  | 1.7     | 1.9     | .8      | 1.6   | 4.0   | 3.5     | 3.0     | 3.6     | 3.5   | 10                     |        | 5     | 1     | 5     | 2      | 11    | 2     |
| November, . . . . .  | 1.1   | 1.8     | 2.0     | 1.3     | 1.5   | 6.0   | 6.0     | 6.2     | 4.5     | 5.5   | 9                      |        | 1     | 5     | 2     | 11     | 3     |       |
| December, . . . . .  | 1.1   | 1.6     | 2.0     | 1.3     | 1.5   | 5.4   | 6.4     | 6.1     | 6.4     | 6.0   | 3                      |        | 7     | 1     | 3     | 15     | 2     |       |
| Year, . . . . .      | .9  | 1.8     | 2.1     | 1.1     | 1.5   | 5.1   | 5.1     | 4.7     | 4.5     | 4.7   | 87                     | 3      | 59    | 14    | 10    | 33     | 130   | 29    |

\* Determined by the Trigonometrical Survey of the State, and furnished me by S. Boden, Esq., Superintendent of the Survey.

## 3. TABLE FOR FIFTEEN YEARS. PART 1.

| Years.    | Mean Temperature. |           |        |        |      |       |       |         |            |          |           |           |
|-----------|-------------------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|
|           | January.          | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. |
| 1833      | 32.0              | 24.2      | 34.0   | 53.3   | 59.4 | 66.5  | 72.6  | 67.9    | 62.6       | 51.2     | 39.8      | 30.6      |
| 1834      | 23.3              | 34.3      | 39.0   | 49.3   | 55.5 | 65.3  | 75.1  | 69.5    | 63.3       | 49.5     | 38.0      | 27.2      |
| 1835      | 26.7              | 22.8      | 31.1   | 43.5   | 55.6 | 65.0  | 72.6  | 68.8    | 58.6       | 55.1     | 39.4      | 22.1      |
| 1836      | 24.1              | 16.8      | 29.7   | 43.6   | 56.3 | 61.4  | 71.9  | 67.0    | 60.5       | 44.7     | 35.3      | 28.9      |
| 1837      | 19.7              | 24.5      | 33.5   | 45.0   | 54.8 | 65.0  | 69.0  | 66.5    | 60.5       | 48.5     | 40.3      | 28.0      |
| 1838      | 32.8              | 17.0      | 36.0   | 41.3   | 52.8 | 71.3  | 76.5  | 71.3    | 62.4       | 47.5     | 36.0      | 26.9      |
| 1839      | 27.0              | 28.3      | 35.3   | 48.5   | 57.0 | 62.5  | 72.8  | 67.8    | 62.9       | 52.0     | 39.0      | 29.8      |
| 1840      | 17.3              | 32.5      | 35.5   | 48.8   | 57.3 | 66.5  | 72.3  | 70.8    | 59.9       | 50.8     | 39.3      | 25.9      |
| 1841      | 29.0              | 23.8      | 33.5   | 41.3   | 55.4 | 68.0  | 70.8  | 69.9    | 63.4       | 44.7     | 37.2      | 31.5      |
| 1842      | 30.7              | 33.4      | 39.1   | 45.8   | 53.5 | 65.0  | 74.1  | 69.1    | 59.0       | 49.5     | 37.0      | 25.9      |
| 1843      | 32.5              | 17.2      | 23.3   | 42.3   | 52.2 | 63.3  | 69.5  | 69.4    | 61.3       | 41.1     | 40.5      | 27.4      |
| 1844      | 16.2              | 22.4      | 32.8   | 54.5   | 55.0 | 60.5  | 66.2  | 66.7    | 59.2       | 47.7     | 36.8      | 30.2      |
| 1845      | 26.8              | 24.2      | 35.0   | 42.8   | 55.1 | 61.3  | 71.2  | 71.7    | 58.3       | 51.5     | 42.7      | 23.3      |
| 1846      | 26.1              | 19.0      | 36.2   | 47.7   | 54.4 | 64.0  | 70.5  | 70.0    | 64.5       | 47.7     | 41.5      | 25.0      |
| 1847      | 26.0              | 25.0      | 29.0   | 39.8   | 51.0 | 63.0  | 71.2  | 67.2    | 59.8       | 46.0     | 43.0      | 34.3      |
| 15 Years, | 26.0              | 24.3      | 33.5   | 45.8   | 55.0 | 64.5  | 71.8  | 68.9    | 61.0       | 48.5     | 38.9      | 27.7      |

## 4. TABLE FOR FIFTEEN YEARS. PART 2.

| Years.    | Thermometer.   |              |                |              |              |             | Prevailing Winds. | Weather.   |              |       |       |          |
|-----------|----------------|--------------|----------------|--------------|--------------|-------------|-------------------|------------|--------------|-------|-------|----------|
|           | Greatest cold. | Date.        | Greatest heat. | Date.        | Ann'l range. | Ann'l mean. |                   | Fair days. | Cloudy days. | Rain. | Snow. | Thunder. |
| 1833      | — 5            | Jan. 19      | 82             | July 26      | 93           | 49.5        | N. W. & S. W.     | 214        | 151          | 92    | 30    | 11       |
| 1834      | — 4            | Feb. 8       | 94             | July 8       | 102          | 49.0        | N. W. & S. W.     | 226        | 139          | 77    | 26    | 15       |
| 1835      | — 18           | Jan. 4       | 91             | July 13      | 109          | 46.8        | N. W. & S. W.     | 240        | 125          | 74    | 28    | 9        |
| 1836      | — 13           | Feb. 19      | 94             | July 2       | 107          | 45.0        | S. W. & N. W.     | 218        | 148          | 74    | 33    | 6        |
| 1837      | — 9            | Jan. 4       | 92             | July 1       | 101          | 46.0        | S. W. & N. W.     | 225        | 140          | 76    | 24    | 13       |
| 1838      | — 4            | Feb. 27      | 97             | July 4       | 101          | 47.5        | S. W. & N. W.     | 240        | 125          | 91    | 26    | 14       |
| 1839      | — 10           | Jan. 24      | 89             | July 31      | 99           | 48.5        | S. W. & N. W.     | 240        | 125          | 92    | 31    | 18       |
| 1840      | — 10           | Jan. 17      | 96             | July 16      | 106          | 48.0        | S. W. & N. W.     | 249        | 117          | 70    | 22    | 10       |
| 1841      | — 9            | Jan. 5       | 93             | June 30      | 102          | 47.5        | S. W. & N. W.     | 227        | 138          | 104   | 31    | 15       |
| 1842      | — 3            | Jan. 6       | 90             | July 30      | 93           | 43.5        | S. W. & N. W.     | 233        | 132          | 87    | 27    | 16       |
| 1843      | — 8            | Feb. 10      | 91             | July 1       | 99           | 45.5        | S. W. & N. W.     | 212        | 153          | 68    | 30    | 12       |
| 1844      | — 8            | Jan. 26      | 90             | June 27      | 98           | 45.0        | S. W. & N. W.     | 216        | 149          | 73    | 22    | 10       |
| 1845      | — 3            | Feb. 2       | 92             | July 15      | 95           | 46.8        | S. W. & N. W.     | 231        | 134          | 82    | 29    | 17       |
| 1846      | — 4            | Feb. 27      | 93             | July 11      | 97           | 47.1        | S. W. & N. W.     | 214        | 151          | 81    | 16    | 20       |
| 1847      | — 0            | Feb. 24      | 92             | July 20      | 92           | 46.2        | S. W. & N. W.     | 206        | 159          | 86    | 27    | 16       |
| 15 Years, | — 18           | Jan. 4, 1835 | 97             | July 4, 1833 | 115          | 47.1        | S. W. & N. W.     | 3391       | 2066         | 1227  | 402   | 202      |

## IV. METEOROLOGICAL TABLE FOR LOWELL, MASS.

*Abstract of the Record of the Heights of the Thermometer, at the Lower Locks, Lowell, in 1847. By Mr. James R. Moor.*

| Months.    | Temperature of the Air.                       |                 |          |          | Temperature of the Water in the Canal. |          |          |
|------------|---|-----------------|----------|----------|--|----------|----------|
|            | Mean at starting of the Mills in the morning. | Mean at 2 P. M. | Maximum. | Minimum. | Mean.                                  | Maximum. | Minimum. |
| January,   | 19.00   | 31.39           | 46       | —1       | 32.                                    | 32       | 32       |
| February,  | 19.04   | 32.71           | 50       | —2       | 32.                                    | 32       | 32       |
| March,     | 22.27   | 41.11           | 52       | 8        | 32.                                    | 32       | 32       |
| April,     | 32.20   | 52.92           | 90       | 10       | 39.34                                  | 46       | 32       |
| May,       | 45.00   | 64.58           | 85       | 32       | 54.73                                  | 63       | 44       |
| June,      | 56.58   | 77.28           | 100      | 48       | 65.48                                  | 75       | 60       |
| July,      | 62.81   | 85.77           | 99       | 50       | 78.81                                  | 82       | 73       |
| August,    | 58.96   | 80.24           | 91       | 50       | 74.77                                  | 78       | 73       |
| September, | 54.34   | 68.69           | 89       | 40       | 66.44                                  | 76       | 59       |
| October,   | 38.73   | 56.35           | 72       | 19       | 52.15                                  | 58       | 42       |
| November,  | 37.08   | 49.88           | 70       | 5        | 43.88                                  | 48       | 36       |
| December,  | 29.74   | 40.15           | 64       | —3       | 35.92                                  | 44       | 32       |

The temperature of the water in the canal, which in the summer months receives nearly the whole waters of the Merrimack River, was above 32° from April 3d to December 21st.

## V. METEOROLOGICAL TABLE FOR WORCESTER, MASS.

*Lat. 42° 16' 17" N.; elevation 483 feet. For the Year 1846 - 47.*

| 1846 - 47.          | December. | January. | February. | March. | April. | May.  | June. | July. | August. | September. | October. | November. | Total. |
|---------------------|-----------|----------|-----------|--------|--------|-------|-------|-------|---------|------------|----------|-----------|--------|
| <i>Barometer.</i>   | inch.     | inch.    | inch.     | inch.  | inch.  | inch. | inch. | inch. | inch.   | inch.      | inch.    | inch.     |        |
| Greatest height,    | 29.82     | 29.79    | 29.82     | 29.80  | 29.73  | 29.60 | 29.57 | 29.56 | 29.65   | 29.60      | 30.00    | 29.92     |        |
| Least height,       | 28.60     | 28.28    | 28.51     | 28.00  | 28.74  | 28.91 | 28.76 | 29.05 | 28.34   | 28.99      | 28.65    | 28.87     |        |
| Mean,               | 29.21     | 29.01    | 29.17     | 28.90  | 29.24  | 29.26 | 29.17 | 29.31 | 29.00   | 29.30      | 29.35    | 29.40     |        |
| <i>Thermometer.</i> | °         | °        | °         | °      | °      | °     | °     | °     | °       | °          | °        | °         |        |
| Greatest height,    | 48        | 59       | 47        | 50     | 33     | 78    | 90    | 93    | 86      | 86         | 71       | 77        |        |
| Least height,       | 9         | 1        | 3         | 11     | 12     | 31    | 45    | 49    | 41      | 42         | 19       | 5         |        |
| Mean,               | 28        | 30       | 25        | 30.5   | 47.5   | 54.5  | 67.5  | 76    | 70.5    | 63.5       | 45       | 41        |        |
| Fair days,          | 19        | 16       | 13        | 22     | 19     | 18    | 21    | 27    | 24      | 14         | 26       | 17        | 226    |
| Cloudy days,        | 12        | 15       | 15        | 9      | 11     | 13    | 9     | 4     | 7       | 16         | 7        | 13        | 131    |
| Rain fell, days     | 6         | 6        | 2         | 6      | 6      | 9     | 13    | 7     | 6       | 15         | 5        | 7         | 88     |
| Snow fell, days     | 4         | 4        | 9         | 6      | 1      | 0     | 0     | 0     | 0       | 0          | 0        | 0         | 24     |
| Inches of rain,     | 2.87      | 4.66     | 4.08      | 3.89   | 1.67   | 3.52  | 5.29  | 4.86  | 4.20    | 7.17       | 2.87     | 3.75      | 37.12  |
| Inches of snow,     | 4         | 5        | 17        | 8      | 1.50   | 0     | 0     | 0     | 0       | 0          | 0        | 0         | 61     |
| <i>Days of</i>      |           |          |           |        |        |       |       |       |         |            |          |           |        |
| N. wind,            | 0         | 1        | 0         | 0      | 0      | 0     | 0     | 0     | 0       | 1          | 5        | 1         | 8      |
| N. W. "             | 19        | 14       | 11        | 20     | 12     | 4     | 5     | 3     | 7       | 5          | 10       | 13        | 113    |
| W. "                | 1         | 1        | 4         | 0      | 0      | 2     | 4     | 1     | 1       | 2          | 3        | 0         | 19     |
| S. W. "             | 9         | 10       | 1         | 3      | 11     | 3     | 5     | 10    | 6       | 3          | 0        | 9         | 70     |
| S. "                | 0         | 0        | 0         | 0      | 0      | 2     | 1     | 1     | 0       | 1          | 3        | 1         | 9      |
| S. E. "             | 0         | 3        | 2         | 4      | 2      | 7     | 2     | 2     | 7       | 2          | 3        | 3         | 37     |
| E. "                | 0         | 0        | 0         | 0      | 0      | 0     | 0     | 0     | 0       | 2          | 1        | 0         | 3      |
| N. E. "             | 3         | 2        | 8         | 2      | 2      | 8     | 3     | 8     | 3       | 11         | 2        | 2         | 64     |

## VI. METEOROLOGICAL TABLE FOR NEW YORK, N. Y.

*Summary of Meteorological Observations made at the Bloomingdale Asylum for the Insane, for the Year 1847. By Pliny Earle, M. D., Resident Physician. Lat. 40° 48' 35" N., Long. 74° 3' 50" W.*

Elevation of Barometer above high-water-mark, 165 feet.

| 1847.               | January. | February. | March. | April. | May.  | June. | July. | August. | September. | October. | November. | December. | Total. |
|---------------------|----------|-----------|--------|--------|-------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| <i>Barometer.</i>   | inch.    | inch.     | inch.  | inch.  | inch. | inch. | inch. | inch.   | inch.      | inch.    | inch.     | inch.     |        |
| Greatest height,    | 30.70    | 30.55     | 30.62  | 30.66  | 30.40 | 30.40 | 30.40 | 30.47   | 30.37      | 30.85    | 30.78     | 30.70     |        |
| Least height,       | 29.20    | 29.20     | 28.95  | 29.57  | 29.70 | 29.60 | 29.93 | 29.83   | 29.54      | 29.54    | 29.82     | 29.68     |        |
| Average,            | 30.20    | 30.17     | 30.15  | 30.15  | 30.12 | 30.10 | 30.19 | 30.18   | 30.12      | 30.24    | 30.24     | 30.23     |        |
| <i>Thermometer.</i> | °        | °         | °      | °      | °     | °     | °     | °       | °          | °        | °         | °         |        |
| Highest range,      | 60       | 50        | 59     | 82     | 85    | 93    | 93    | 86      | 83         | 67       | 71        | 64        |        |
| Lowest range,       | 11       | 11        | 21     | 22     | 36    | 51    | 56    | 54      | 46         | 29       | 12        | 12        |        |
| Average,            | 32.07    | 31.65     | 36.56  | 48.32  | 58.67 | 67.41 | 74.80 | 71.19   | 63.29      | 52.09    | 47.31     | 38.48     |        |
| Clear days,         | 10       | 5         | 7      | 13     | 11    | 9     | 12    | 8       | 9          | 9        | 8         | 4         | 105    |
| Pleasant days,      | 6        | 4         | 7      | 8      | 7     | 10    | 9     | 11      | 8          | 14       | 6         | 6         | 96     |
| Cloudy days,        | 8        | 10        | 10     | 6      | 8     | 5     | 6     | 8       | 7          | 5        | 12        | 11        | 96     |
| Rain fell, days     | 6        | 3         | 7      | 3      | 5     | 6     | 4     | 4       | 6          | 3        | 4         | 6         | 57     |
| Snow fell, days     | 1        | 6         |        |        |       |       |       |         |            |          |           | 1         | 6      |
| Foggy days,         |          |           |        |        |       |       |       |         |            |          |           | 3         | 3      |
| Inches of rain,     | 2.58     | 2.85      | 3.70   | 1.10   | 1.90  | 5.30  | 2.74  | 3.34    | 6.31       | 3.03     | 2.92      | 3.74      | 39.51  |
| Inches of snow,     | 8        | 19.5      | 2      |        |       |       |       |         |            |          |           | 2         | 31.5   |
| <i>Days of</i>      |          |           |        |        |       |       |       |         |            |          |           |           |        |
| N. wind,            | 1        |           | 3      | 2      |       | 1     | 2     |         | 1          | 2        | 1         | 2         | 15     |
| N. E. " "           | 2        | 8         | 3      | 2      | 13    | 2     | 5     | 5       | 8          | 2        | 1         | 4         | 55     |
| E. " "              |          | 3         |        |        | 3     |       |       | 1       | 1          | 3        |           | 2         | 13     |
| S. E. " "           | 2        | 1         | 4      | 5      | 3     | 8     | 4     | 6       | 5          | 2        | 3         | 3         | 46     |
| S. " "              | 1        |           |        |        |       | 1     |       |         |            |          |           |           | 2      |
| S. W. " "           | 2        | 6         |        | 9      | 3     | 4     | 10    | 3       | 3          | 3        | 7         | 5         | 56     |
| W. " "              | 7        | 2         | 4      |        | 1     | 5     |       | 2       | 4          | 4        | 3         | 4         | 36     |
| N. W. " "           | 10       | 6         | 10     | 6      | 2     | 5     | 1     | 2       | 6          | 7        | 8         | 5         | 63     |
| Variable,           | 6        | 2         | 4      | 5      | 6     | 5     | 6     | 2       | 2          | 6        | 4         | 4         | 57     |
| Calm,               |          |           | 2      | 1      |       |       | 1     | 6       | 6          | 2        | 3         | 2         | 17     |

## VII. METEOROLOGICAL TABLES FOR LAMBERTVILLE, N. J.

*Lat. 40° 23' N., Long. 74° 56' W. By L. H. Parsons.*

## 1. SUMMARY FOR THE YEAR ENDING JUNE 30, 1848.

| Months.    | Thermometer. |         |         |          |              |              |        | Barometer. |         |         |          |              |              |        |
|------------|--------------|---------|---------|----------|--------------|--------------|--------|------------|---------|---------|----------|--------------|--------------|--------|
|            | Mean.        |         |         | Maximum. | Day of M'th. |              | Range. | Mean.      |         |         | Maximum. | Day of M'th. |              | Range. |
|            | 7 A. M.      | 2 P. M. | 9 P. M. |          | Minimum.     | Day of M'th. |        | 7 A. M.    | 2 P. M. | 9 P. M. |          | Minimum.     | Day of M'th. |        |
|            | °            | °       | °       | °        | °            | °            |        | inch.      | inch.   | inch.   | inch.    | inch.        | inch.        | in.    |
| 1847.      |              |         |         |          |              |              |        |            |         |         |          |              |              |        |
| July,      | 70.67        | 54.22   | 71.96   | 92       | 18           | 50           | 28     | 30.03      | 30.029  | 30.027  | 30.22    | 24           | 29.81        | .26    |
| August,    | 67.17        | 50.92   | 69.82   | 89       | 13           | 42           | 20     | 30.00      | 30.003  | 30.002  | 30.27    | 25           | 29.72        | .6     |
| September, | 58.91        | 71.52   | 61.20   | 82       | 4            | 45           | 29     | 30.985     | 29.972  | 29.973  | 30.20    | 11           | 29.70        | .23    |
| October,   | 44.06        | 50.06   | 49.35   | 71       | 1            | 24           | 29     | 30.080     | 30.077  | 30.071  | 30.73    | 28           | 29.45        | .9     |
| November,  | 40.06        | 54.91   | 45.41   | 75       | 9            | 24           | 30     | 30.086     | 30.122  | 30.105  | 30.64    | 30           | 29.63        | .24    |
| December,  | 34.48        | 44.30   | 36.71   | 70       | 14           | 20           | 1      | 30.077     | 30.053  | 30.083  | 30.64    | 7            | 29.56        | .24    |
| 1848.      |              |         |         |          |              |              |        |            |         |         |          |              |              |        |
| January,   | 31.21        | 39.98   | 34.06   | 57       | 1            | 4            | 11     | 30.117     | 30.117  | 30.153  | 30.62    | 24           | 29.31        | .9     |
| February,  | 25.62        | 38.08   | 30.39   | 52       | 23           | 11           | 13     | 29.971     | 29.930  | 29.980  | 30.35    | 25           | 29.21        | .4     |
| March,     | 31.25        | 46.38   | 38.35   | 71       | 31           | 10           | 15     | 30.043     | 30.025  | 30.036  | 30.36    | 2            | 29.55        | .10    |
| April,     | 43.89        | 62.14   | 49.08   | 80       | 11           | 26           | 20     | 30.097     | 30.089  | 30.096  | 30.66    | 3            | 29.68        | .24    |
| May,       | 58.71        | 73.42   | 61.76   | 89       | 20           | 40           | 15     | 29.918     | 29.907  | 29.891  | 30.23    | 1            | 29.48        | .11    |
| June,      | 67.35        | 82.08   | 58.38   | 97       | 17           | 42           | 1      | 29.946     | 29.930  | 29.925  | 30.08    | 27           | 29.78        | .23    |
| Year,      | 47.78        | 61.56   | 52.04   | 97       | 17           | 4            | 11     | 30.029     | 30.021  | 30.028  | 30.73    | 28           | 29.21        | .46    |

\* June.

† January.

‡ October.

§ February.



## 2. WEATHER FOR YEAR ENDING JUNE 30, 1848.

| Months.<br>1847-8. | Clear.* | Cloudy.* | Rain or<br>snow. | Water, in<br>inches. | Months.<br>1848. | Clear.* | Cloudy.* | Rain or<br>snow. | Water, in<br>inches. |
|--------------------|---------|----------|------------------|----------------------|------------------|---------|----------|------------------|----------------------|
| July, 1847,        | 2       | 1        | 10               | 6.263                | February,        | 3       | 5        | 5                | 1.313                |
| August,            | 0       | 2        | 8                | 3.093                | March,           | 2       | 3        | 7                | 2.606                |
| September,         | 3       | 6        | 13               | 8.458                | April,           | 4       | 3        | 6                | 1.470                |
| October,           | 4       | 2        | 8                | 4.218                | May,             | 2       | 2        | 16               | 5.200                |
| November,          | 2       | 1        | 6                | 2.669                | June,            | 3       | 0        | 12               | 3.119                |
| December,          | 2       | 6        | 14               | 5.167                |                  |         |          |                  |                      |
| January, '48,      | 1       | 5        | 9                | 2.839                | Year,            | 28      | 36       | 114              | 46.465               |

\* Perfectly clear, or entirely cloudy, during the whole day.

## 3. ANNUAL MEAN AND EXTREME TEMPERATURE.

| Year.     | 7 A. M. | 2 P. M. | 9 P. M. | Maxi-<br>mum. | Day.    | Mini-<br>mum. | Day.    | Range. |
|-----------|---------|---------|---------|---------------|---------|---------------|---------|--------|
| 1837      | 47.02   | 58.28   | 45.89   | 91            | Aug. 5  | 6             | Feb. 14 | 85     |
| 1838      | 47.01   | 57.76   | 48.58   | 97½           | July 11 | 0             | Dec. 31 | 97½    |
| 1839      | 50.00   | 60.03   | 48.95   | 95            | July 19 | 1             | Jan. 1  | 94     |
| 1840      | 48.66   | 58.41   | 47.19   | 89½           | July 16 | -6            | Feb. 5  | 95½    |
| 1841      | 45.41   | 55.52   | 46.88   | 92½           | June 8  | ½             | Jan. 4  | 91½    |
| 1842      | 46.20   | 57.29   | 47.52   | 88            | July 27 | 10            | Feb. 17 | 78     |
| 1843      | 45.40   | 56.40   | 47.05   | 94½           | July 2  | 4½            | Dec. 14 | 90     |
| 1844      | 44.49   | 57.64   | 47.49   | 94            | July 14 | ½             | Jan. 28 | 83½    |
| 1845      | 45.50   | 58.25   | 47.86   | 98½           | July 16 | 3             | Feb. 9  | 95     |
| 1846      | 45.62   | 58.09   | 48.05   | 96            | July 11 | 1             | Feb. 27 | 95     |
| 1847      | 46.25   | 59.67   | 49.64   | 93½           | July 18 | 4             | Jan. 13 | 89½    |
| 11 Years, | 46.50   | 57.94   | 47.64   | 98½           |         | -6            |         | 104½   |

## 4. AVERAGE MONTHLY MEAN FOR ELEVEN YEARS, FROM 1837 TO 1847, INCLUSIVE.

| Months.              | 7 A. M. | 2 P. M. | 9 P. M. |
|----------------------|---------|---------|---------|
| January, . . . . .   | 26.67   | 36.29   | 29.30   |
| February, . . . . .  | 25.35   | 35.04   | 28.01   |
| March, . . . . .     | 33.18   | 45.62   | 37.68   |
| April, . . . . .     | 44.50   | 58.29   | 47.09   |
| May, . . . . .       | 56.21   | 69.57   | 55.79   |
| June, . . . . .      | 65.25   | 76.86   | 63.39   |
| July, . . . . .      | 70.59   | 82.63   | 68.64   |
| August, . . . . .    | 68.10   | 79.02   | 67.63   |
| September, . . . . . | 59.04   | 71.60   | 59.35   |
| October, . . . . .   | 44.69   | 58.51   | 47.40   |
| November, . . . . .  | 36.00   | 47.09   | 39.16   |
| December, . . . . .  | 27.63   | 36.42   | 30.22   |

## VIII. METEOROLOGICAL TABLES FOR WASHINGTON, D. C.

*Summary of the Meteorological Observations made at the National Observatory, Washington, D. C., North Lat.  $38^{\circ} 53' 39'' 25'''$ , Long. West of Greenwich,  $77^{\circ} 3' 30''$ . From January 1st to December 31st, 1847. By Lieut. M. F. Maury.*

| Months.          | Means of the Barometer. |         |         |        |               | Means of External Therm. |         |         |               |
|------------------|-------------------------|---------|---------|--------|---------------|--------------------------|---------|---------|---------------|
|                  | 9 A. M.                 | 3 P. M. | 9 P. M. | Range. | Monthly Mean. | 9 A. M.                  | 3 P. M. | 9 P. M. | Monthly Mean. |
| 1847.            | inch.                   | inch.   | inch.   | inch.  | inch.         | °                        | °       | °       | °             |
| January, . . .   | 30.204                  | 30.059  | 30.037  | .145   | 30.117        | 31.1                     | 40.3    | 32.9    | 34.8          |
| February, . . .  | 30.060                  | 29.978  | 30.017  | .082   | 30.018        | 35.4                     | 43.1    | 36.6    | 38.4          |
| March, . . .     | 30.062                  | 30.014  | 30.055  | .048   | 30.044        | 41.9                     | 48.9    | 39.3    | 43.4          |
| April, . . .     | 30.008                  | 29.933  | 29.960  | .075   | 29.967        | 56.5                     | 66.9    | 52.3    | 58.6          |
| May, . . .       | 29.983                  | 29.934  | 29.946  | .049   | 29.954        | 64.3                     | 71.7    | 61.5    | 65.8          |
| June, . . .      | 30.002                  | 29.998  | 29.977  | .025   | 29.992        | 73.9                     | 78.4    | 69.7    | 74.0          |
| July, . . .      | 30.063                  | 30.013  | 30.027  | .040   | 30.031        | 78.4                     | 83.8    | 73.9    | 78.7          |
| August, . . .    | 30.062                  | 30.024  | 30.032  | .038   | 30.039        | 75.1                     | 80.1    | 70.6    | 75.3          |
| September, . . . | 30.016                  | 29.972  | 30.033  | .061   | 30.007        | 67.6                     | 74.3    | 64.5    | 68.8          |
| October, . . .   | 30.109                  | 30.068  | 30.086  | .051   | 30.084        | 54.0                     | 62.1    | 50.6    | 55.6          |
| November, . . .  | 30.175                  | 30.110  | 30.157  | .065   | 30.147        | 47.4                     | 54.9    | 46.3    | 49.5          |
| December, . . .  | 30.142                  | 30.094  | 30.087  | .055   | 30.108        | 36.2                     | 44.7    | 40.0    | 40.3          |
| Annual Mean,     | 30.073                  | 30.016  | 30.039  | .061   | 30.042        | 56.1                     | 62.4    | 53.2    | 56.9          |

## 2. WINDS AND CLOUDS.

| Months.          | Force of the Wind, 0—6. |         |         |               | Quantity of Clouds, 0—10. |         |         |               | Depth of rain in inches. |
|------------------|-------------------------|---------|---------|---------------|---------------------------|---------|---------|---------------|--------------------------|
|                  | 9 A. M.                 | 3 P. M. | 9 P. M. | Monthly Mean. | 9 A. M.                   | 3 P. M. | 9 P. M. | Monthly Mean. |                          |
| 1847.            |                         |         |         |               |                           |         |         |               |                          |
| January, . . .   | 1.7                     | 2.5     | 2.4     | 2.2           | 6.2                       | 6.0     | 5.4     | 5.9           | 2.010                    |
| February, . . .  | 2.1                     | 2.4     | 2.4     | 2.3           | 6.2                       | 7.4     | 5.2     | 6.3           | 5.220                    |
| March, . . .     | 2.3                     | 2.9     | 2.0     | 2.4           | 6.5                       | 7.0     | 5.4     | 6.3           | 2.177                    |
| April, . . .     | 2.0                     | 2.7     | 2.2     | 2.3           | 5.4                       | 5.8     | 4.7     | 5.3           | 0.310                    |
| May, . . .       | 2.1                     | 2.3     | 1.7     | 2.0           | 5.7                       | 6.2     | 3.2     | 5.0           | 1.313                    |
| June, . . .      | 1.9                     | 2.5     | 1.6     | 2.0           | 5.7                       | 6.5     | 4.6     | 5.6           | 2.616                    |
| July, . . .      | 2.0                     | 2.4     | 1.3     | 1.9           | 6.7                       | 7.3     | 5.4     | 6.5           | 3.031                    |
| August, . . .    | 1.4                     | 2.0     | 0.8     | 1.4           | 6.8                       | 6.8     | 5.4     | 6.3           | 2.791                    |
| September, . . . | 1.9                     | 2.5     | 1.5     | 2.0           | 6.5                       | 6.5     | 4.3     | 5.8           | 4.786                    |
| October, . . .   | 1.8                     | 1.9     | 1.3     | 1.7           | 4.4                       | 5.1     | 3.5     | 4.3           | 6.839                    |
| November, . . .  | 1.4                     | 1.3     | 1.0     | 1.2           | 5.3                       | 6.3     | 5.5     | 5.7           | 2.248                    |
| December, . . .  | 1.0                     | 1.5     | 1.2     | 1.2           | 6.6                       | 6.9     | 6.1     | 6.2           | 2.470                    |
| Annual Mean,     | 1.8                     | 2.2     | 1.6     | 1.9           | 6.0                       | 6.5     | 4.8     | 5.8           | 35.811                   |

In the mode of notation used for the winds and clouds, for the former, 0 denotes a perfect calm, and 6 the greatest violence of the wind. For the latter, 0 denotes a sky without any clouds, and 10 a sky completely overcast.

# IX. METEOROLOGICAL TABLES FOR THE UNIVERSITY OF NORTH CAROLINA, AT CHAPEL HILL.

*Lat. 35° 54' 21" N. Long. 79° 17' 30" W.*

*By James Phillips, Prof. Mathematics and Nat. Philosophy.*

| Months.              | Barometer. |         |         |         | Thermometer attached. |         |         |         |
|----------------------|------------|---------|---------|---------|-----------------------|---------|---------|---------|
|                      | Sunrise.   | 9 A. M. | 3 P. M. | 9 P. M. | Sunrise.              | 9 A. M. | 3 P. M. | 9 P. M. |
| 1847.                | Inch.      | Inch.   | Inch.   | Inch.   | °                     | °       | °       | °       |
| June, . . . . .      | 29.739     | 29.780  | 29.733  | 29.736  | 67.0                  | 70.2    | 76.8    | 71.3    |
| July, . . . . .      | 29.763     | 29.779  | 29.771  | 29.771  | 69.6                  | 74.5    | 82.2    | 73.6    |
| August, . . . . .    | 29.723     | 29.746  | 29.737  | 29.736  | 69.2                  | 73.9    | 79.9    | 73.1    |
| September, . . . . . | 29.675     | 29.706  | 29.692  | 29.687  | 63.9                  | 70.4    | 77.1    | 68.7    |
| October, . . . . .   | 29.761     | 29.797  | 29.774  | 29.767  | 53.7                  | 60.6    | 69.9    | 59.8    |
| November, . . . . .  | 29.791     | 29.829  | 29.812  | 29.804  | 50.7                  | 56.8    | 63.9    | 55.4    |
| December, . . . . .  | 29.774     | 29.796  | 29.780  | 29.776  | 40.6                  | 45.7    | 53.1    | 45.8    |
| 1848.                |            |         |         |         |                       |         |         |         |
| January, . . . . .   | 29.816     | 29.837  | 29.811  | 29.799  | 39.5                  | 46.3    | 56.5    | 45.7    |
| February, . . . . .  | 29.610     | 29.639  | 29.616  | 29.618  | 40.7                  | 45.4    | 52.1    | 45.8    |
| March, . . . . .     | 29.691     | 29.675  | 29.693  | 29.688  | 45.2                  | 52.4    | 61.5    | 52.6    |
| April, . . . . .     | 29.754     | 29.785  | 29.764  | 29.766  | 52.1                  | 60.6    | 70.2    | 59.6    |
| May, . . . . .       | 29.625     | 29.653  | 29.629  | 29.622  | 63.0                  | 70.2    | 77.8    | 69.3    |
| Mean, . . . . .      | 29.727+    | 29.752— | 29.734— | 29.730  | 54.6                  | 60.5    | 63.4    | 60.1—   |

| Months.              | Thermometer detached. |         |         |         |               | Clearness fr. 0 to 10. |         |         |         | Rainy days. | Cloudy days. | Clear days. |
|----------------------|-----------------------|---------|---------|---------|---------------|------------------------|---------|---------|---------|-------------|--------------|-------------|
|                      | Sunrise.              | 9 A. M. | 3 P. M. | 9 P. M. | Month's Mean. | Sunrise.               | 9 A. M. | 3 P. M. | 9 P. M. |             |              |             |
| 1847.                |                       |         |         |         |               |                        |         |         |         |             |              |             |
| June, . . . . .      | 67.2                  | 71.5    | 78.3    | 70.9    | 72.1240       | 3.5                    | 3.1     | 3.3     | 4.2     | 9           | 30           | 0           |
| July, . . . . .      | 69.2                  | 75.1    | 81.2    | 72.5    | 74.5032       | 3.5                    | 3.2     | 3.5     | 5.4     | 3           | 31           | 0           |
| August, . . . . .    | 68.2                  | 73.7    | 78.5    | 71.5    | 72.9355       | 2.5                    | 2.7     | 2.0     | 4.0     | 9           | 31           | 0           |
| September, . . . . . | 61.9                  | 70.4    | 76.0    | 67.1    | 68.8542       | 4.1                    | 5.3     | 4.0     | 7.7     | 7           | 28           | 2           |
| October, . . . . .   | 49.7                  | 59.5    | 68.1    | 57.5    | 68.7218       | 6.3                    | 6.1     | 6.0     | 7.3     | 3           | 23           | 8           |
| November, . . . . .  | 47.4                  | 54.3    | 62.0    | 53.2    | 54.2208       | 5.1                    | 4.8     | 4.6     | 6.1     | 5           | 24           | 6           |
| December, . . . . .  | 37.7                  | 44.4    | 49.8    | 42.6    | 43.6411       | 4.2                    | 4.4     | 4.2     | 4.8     | 8           | 26           | 5           |
| 1848.                |                       |         |         |         |               |                        |         |         |         |             |              |             |
| January, . . . . .   | 36.1                  | 44.8    | 52.5    | 42.5    | 43.9339       | 4.2                    | 4.7     | 5.5     | 6.2     | 4           | 24           | 7           |
| February, . . . . .  | 37.5                  | 44.0    | 49.5    | 42.4    | 43.3621       | 2.8                    | 3.3     | 2.6     | 3.6     | 9           | 28           | 1           |
| March, . . . . .     | 41.9                  | 50.9    | 58.7    | 49.5    | 50.2500       | 3.7                    | 4.5     | 4.0     | 5.3     | 4           | 30           | 1           |
| April, . . . . .     | 49.7                  | 58.7    | 67.4    | 56.6    | 58.1292       | 4.7                    | 4.9     | 4.0     | 5.4     | 4           | 26           | 4           |
| May, . . . . .       | 61.7                  | 69.7    | 76.7    | 67.7    | 68.9597       | 4.9                    | 4.6     | 3.7     | 5.3     | 8           | 28           | 3           |
| Mean, . . . . .      | 52.3+                 | 59.7+   | 66.5+   | 57.8+   | 59.1404+      | 4.1                    | 4.3     | 3.9     | 5.4     | 73          | 329          | 37          |

First frost, 15th October. Frogs singing, 26th January. *Prunus chicasa* and *Houstonia carulea* in flower, 19th March. Peach blossomed, 21st March. Pear in bloom, 24th, and *Cercis Canadensis*, 31st March; apple and cherry, 1st April. First martin, 23d March. Whip-poor-will singing, 11th April.

Hottest day, 26th July:—

Barometer, sunrise, 29.728; 9 A. M. 29.712; 3 P. M. 29.670; 9 P. M. 29.664. Mean, 29.6935.  
Attached ther. " 76. " 82. " 91. " 79.5. " 82.125.  
Detached ther. " 76. " 82. " 90. " 78. " 81.5.

Coldest day, 26th December:—

Barometer, sunrise, 29.772; 9 A. M. 29.924; 3 P. M. 29.924; 9 P. M. 29.976. Mean, 29.899.  
Attached ther. " 24. " 28. " 37.5. " 24.5. " 28.5.  
Detached ther. " 19. " 23. " 30. " 20. " 23.

## X. METEOROLOGICAL TABLES FOR SAVANNAH, GA.

For the Year ending May, 1848. By Dr. John F. Posey.

## 1. BAROMETER.

Barometer 43 feet above half-tide in the river.

| Months.      | Highest. |         |         | Lowest. |      |         |         | Monthly Mean. |         |         |         |
|--------------|----------|---------|---------|---------|------|---------|---------|---------------|---------|---------|---------|
|              | Day.     | 7 A. M. | 2 P. M. | 7 P. M. | Day. | 7 A. M. | 2 P. M. | 7 P. M.       | 7 A. M. | 2 P. M. | 7 P. M. |
| 1847.        |          | inch.   | inch.   | inch.   |      | inch.   | inch.   | inch.         | inch.   | inch.   | inch.   |
| June,        | 27       | 30.15   | 30.15   | 30.10   | 11   | 29.85   | 29.81   | 29.80         | 30.03   | 29.99   | 29.98   |
| July,        | 18       | .21     | .20     | .21     | 27   | .95     | .85     | .80           | .02     | 30.02   | 30.01   |
| August,      | 10       | .15     | .16     | .11     | 6    | .65     | .60     | .55†          | 29.99   | 29.98   | 29.98   |
| September,   | 15       | .06     | .07     | .05     | 19   | .81     | .76     | .76           | .97     | .93     | .93     |
| October,     | 29       | .34     | .36     | .39     | 8    | .74     | .68     | .73           | 30.03   | 30.00   | 30.01   |
| November,    | 17       | .29     | .28     | .31     | 24   | .82     | .78     | .80           | .11     | .08     | .10     |
| December,    | 27       | .36     | .36     | .36     | 13   | 30.03   | .82     | .86           | .10     | .06     | .09     |
| 1848.        |          |         |         |         |      |         |         |               |         |         |         |
| January,     | 11       | .38     | .33     | .33     | 27   | 29.82   | .77     | .83           | .11     | .08     | .10     |
| February,    | 13       | .31     | .29     | .27     | 4    | .71     | .66     | .66           | .00     | 29.96   | 29.98   |
| March,       | 6        | .30     | .27     | .24     | 9    | .81     | .73     | .67           | .06     | 30.04   | 30.05   |
| April,       | 3        | .39     | .40*    | .40     | 8    | .78     | .72     | .69           | .06     | .04     | .05     |
| May,         | 15       | .12     | .20     | .20     | 10   | .85     | .74     | .77           | 29.97   | 29.94   | 29.86   |
| Annual Mean, |          |         |         |         |      |         |         |               | 30.04   | 30.01   | 30.01   |

\* Highest.

† Lowest.

## 2. THERMOMETER.

| Months.          | Highest. |         |         | Lowest. |      |         |         | Monthly Mean. |         |         | Rain Gauge.<br>Inches. | Rainy Days. |         |
|------------------|----------|---------|---------|---------|------|---------|---------|---------------|---------|---------|------------------------|-------------|---------|
|                  | Day.     | 7 A. M. | 2 P. M. | 7 P. M. | Day. | 7 A. M. | 2 P. M. | 7 P. M.       | 7 A. M. | 2 P. M. |                        |             | 7 P. M. |
| 1847.            |          |         |         |         |      |         |         |               |         |         |                        |             |         |
| June, . . . . .  | 29       | 76      | 95      | 80      | 12   | 71      | 88      | 83            | 75.6    | 86.2    | 75.3                   | 3.725       | 8       |
| July, . . . . .  | 14       | 78      | 94      | 90      | 3    | 67      | 77      | 75            | 74.6    | 85.3    | 79.8                   | 20.430      | 11      |
| August, . . . .  | 19       | 77      | 93      | 86      | 7    | 70      | 85      | 82            | 75.4    | 85.9    | 80.9                   | 12.815      | 11      |
| September, . .   | 6        | 74      | 88      | 83      | 3†   | 61      | 81      | 73            | 70.2    | 81.6    | 76.2                   | 5.180       | 9       |
| October, . . . . | 17       | 61      | 84      | 70      | 28   | 46      | 59      | 54            | 59.9    | 78.3    | 69.4                   | .140        | 1       |
| November, . . .  | 5        | 60      | 83      | 72      | 27   | 29      | 47      | 35            | 55.2    | 69.3    | 62.3                   | 1.540       | 3       |
| December, . . .  | 11       | 60      | 79      | 62      | 17   | 24      | 46      | 36            | 42.1    | 59.6    | 48.5                   | .720        | 4       |
| 1848.            |          |         |         |         |      |         |         |               |         |         |                        |             |         |
| January, . . . . | 31       | 62      | 76      | 65      | 11   | 27      | 50      | 45            | 45.0    | 64.1    | 52.5                   | .625        | 2       |
| February, . . .  | 21       | 62      | 81      | 64      | 7    | 23†     | 51      | 38            | 47.3    | 63.1    | 53.4                   | 2.985       | 7       |
| March, . . . . . | 29       | 64      | 89      | 70      | 16   | 30      | 50      | 35            | 52.4    | 72.4    | 58.3                   | .100        | 1       |
| April, . . . . . | 12       | 62      | 92      | 72      | 20   | 48      | 63      | 55            | 59.6    | 76.4    | 65.1                   | 1.630       | 6       |
| May, . . . . .   | 6        | 72      | 97*     | 80      | 13   | 55      | 80      | 66            | 70.4    | 82.7    | 75.7                   | 9.635       | 9       |
| Annual Mean,     |          |         |         |         |      |         |         |               | 60.7    | 73.7    | 66.5                   | 59.525      | 72      |

\* Highest, May 6, 1848,

† Lowest, February 21,

Range,

97°

23

74°

## XI. METEOROLOGICAL TABLE FOR NATCHEZ, Miss.

*Annual Mean of the Thermometer, Barometer, and Weather, for 1847.**Lat. 31° 34', Long. 91° 24' 42" W. By Henry Tooley, Sen.*

| Months.    | Thermometer. |       |         | Barometer. |        |         | Rain.   | Weather.    |              |             | Prevailing Winds.<br>Courses. |       |       |    |     |       |       |    |
|------------|--------------|-------|---------|------------|--------|---------|---------|-------------|--------------|-------------|-------------------------------|-------|-------|----|-----|-------|-------|----|
|            | 6 A. M.      | 12 M. | 6 P. M. | 6 A. M.    | 12 M.  | 6 P. M. | Inches. | Clear days. | Cloudy days. | Rainy days. | S.                            | S. W. | S. E. | E. | N.  | N. E. | N. W. | W. |
| 1847.      |              |       |         | inch.      | inch.  | inch.   |         |             |              |             |                               |       |       |    |     |       |       |    |
| January,   | 43.2         | 47.3  | 51.6    | 30.095     | 29.918 | 29.839  | 4.90    | 4           | 20           | 7           | 11                            | 3     | 5     | 6  | 11  | 0     | 3     | 2  |
| February,  | 49.9         | 53.3  | 59.3    | 29.751     | 29.806 | 29.761  | 10.58   | 6           | 15           | 7           | 15                            | 1     | 10    | 5  | 4   | 0     | 2     | 4  |
| March,     | 51.8         | 58.9  | 62.7    | 29.889     | 29.909 | 29.862  | 4.17    | 9           | 12           | 10          | 15                            | 7     | 10    | 4  | 11  | 0     | 1     | 3  |
| April,     | 64.5         | 71.9  | 79.8    | 29.863     | 29.814 | 29.704  | 2.11    | 3           | 23           | 4           | 15                            | 3     | 6     | 7  | 5   | 2     | 1     | 2  |
| May,       | 66.9         | 71.8  | 80.4    | 29.751     | 29.767 | 29.736  | 8.42    | 4           | 22           | 5           | 9                             | 1     | 4     | 8  | 14  | 4     | 3     | 2  |
| June,      | 74.6         | 82.9  | 85.5    | 29.816     | 29.811 | 29.784  | 4.05    | 1           | 20           | 9           | 20                            | 7     | 4     | 3  | 6   | 0     | 2     | 1  |
| July,      | 75.1         | 81.7  | 84.4    | 29.789     | 29.810 | 29.762  | 16.42   | 0           | 15           | 16          | 24                            | 12    | 6     | 2  | 6   | 0     | 2     | 2  |
| August,    | 76.0         | 81.4  | 86.1    | 29.820     | 29.816 | 29.807  | 1.88    | 1           | 24           | 6           | 10                            | 6     | 5     | 7  | 15  | 0     | 2     | 4  |
| September, | 68.6         | 77.5  | 81.6    | 29.798     | 29.786 | 29.747  | 5.19    | 4           | 22           | 4           | 6                             | 1     | 5     | 11 | 12  | 7     | 7     | 0  |
| October,   | 61.0         | 67.4  | 74.0    | 29.824     | 29.831 | 29.835  | 1.75    | 10          | 17           | 4           | 7                             | 4     | 7     | 9  | 11  | 5     | 4     | 5  |
| November,  | 53.7         | 60.1  | 64.2    | 29.986     | 29.911 | 29.811  | 4.85    | 8           | 15           | 7           | 12                            | 1     | 5     | 8  | 8   | 2     | 7     | 1  |
| December,  | 45.6         | 51.1  | 56.1    | 29.982     | 30.265 | 29.965  | 11.00   | 13          | 10           | 6           | 12                            | 4     | 2     | 5  | 12  | 1     | 5     | 2  |
| Ann. Mean, | 60.9         | 67.3  | 72.1    | 29.945     | 29.870 | 29.801  | 75.32   | 63          | 215          | 87          | 156                           | 50    | 69    | 75 | 125 | 22    | 52    | 29 |
|            | 21           | 24    | 32      |            |        |         |         |             |              |             |                               |       |       |    |     |       |       |    |
|            | 78           | 86    | 92      |            |        |         |         |             |              |             |                               |       |       |    |     |       |       |    |

Coldest day, January 7th.

Lowest Barometer 29.522, March 12th.

Hottest day, August 5th.

Highest " 30.350, January 21st.

## XII. METEOROLOGICAL TABLE FOR BLOOMINGTON, Iowa.

*For the Year 1847. By T. S. Parvin.*

| Months.    | Thermometer. |          |          |        | Barometer.   |          |          |        | Weather.    |              |               |             |               |             | Winds.        |       |       |       |       |             |            |
|------------|--------------|----------|----------|--------|--------------|----------|----------|--------|-------------|--------------|---------------|-------------|---------------|-------------|---------------|-------|-------|-------|-------|-------------|------------|
|            | Mean Temp.   | Maximum. | Minimum. | Range. | Mean height. | Maximum. | Minimum. | Range. | Clear days. | Cloudy days. | Var'ble days. | Rainy days. | Rain in inch. | Snowy days. | Snow in inch. | N. E. | S. E. | N. W. | S. W. | Light Wind. | High Wind. |
| 1847.      |              |          |          |        | inch.        | inch     | inch     | in.    |             |              |               |             |               |             |               |       |       |       |       |             |            |
| January,   | 12.2         | 40       | 23       | 63     | 29.22        | 29.8     | 26.6     | 1.2    | 19          | 9            | 3             |             |               | 5           | 7.9           | 4     | 1     | 18    | 8     | 21          | 10         |
| February,  | 25.2         | 56       | 10       | 66     | .29          | .5       | .7       | .8     | 14          | 11           | 3             | 2           | .5            | 5           | 6.1           | 6     | 2     | 6     | 12    | 17          | 11         |
| March,     | 29.4         | 66       | 0        | 66     | .30          | .6       | .9       | .7     | 17          | 12           | 4             | 2           | 2.8           | 3           | 1.4           | 7     | 4     | 12    | 8     | 21          | 10         |
| April,     | 49.1         | 86       | 13       | 73     | .32          | .7       | .8       | .9     | 20          | 4            | 6             | 6           | 3.3           |             |               | 7     | 5     | 14    | 4     | 20          | 10         |
| May,       | 55.8         | 87       | 30       | 57     | .25          | .5       | .9       | .6     | 14          | 9            | 8             | 9           | 3.5           |             |               | 6     | 10    | 5     | 10    | 27          | 4          |
| June,      | 62.4         | 86       | 40       | 46     | .21          | .4       | 29.0     | .4     | 20          | 4            | 6             | 8           | 4.6           |             |               | 5     | 8     | 8     | 9     | 24          | 6          |
| July,      | 69.5         | 92       | 42       | 50     | .29          | .4       | .1       | .3     | 26          | 5            | 5             | 5           | 1.2           |             |               | 2     | 14    | 1     | 14    | 29          | 2          |
| August,    | 65.2         | 86       | 42       | 44     | .31          | .5       | .1       | .4     | 17          | 3            | 11            | 8           | 3.3           |             |               | 15    | 6     | 10    | 30    | 1           |            |
| September, | 59.8         | 84       | 36       | 48     | .25          | .5       | .0       | .5     | 23          | 3            | 4             | 2           | 2.1           |             |               | 3     | 14    | 7     | 6     | 25          | 5          |
| October,   | 47.3         | 68       | 8        | 78     | .29          | .7       | .0       | .7     | 17          | 6            | 8             | 6           | 1.2           | 1           | .1            | 7     | 9     | 5     | 10    | 22          | 9          |
| November,  | 33.5         | 74       | 7        | 67     | .63          | .7       | 28.7     | 1.0    | 14          | 11           | 5             | 6           | 3.0           | 4           | 4.5           | 7     | 3     | 6     | 14    | 22          | 8          |
| December,  | 25.2         | 63       | 10       | 73     | .34          | .8       | .9       | .9     | 16          | 10           | 6             | 2           | .6            | 3           | 4.0           | 2     | 7     | 6     | 16    | 26          | 5          |
| Year,      | 44.5         | 92       | 23       | 115    | 29.30        | 29.8     | 26.6     | 1.2    | 217         | 72           | 76            | 53          | 26.1          | 21          | 24.0          | 58    | 92    | 94    | 121   | 284         | 81         |

Warmest day, 82° 0', July 17th. Coldest day, -11° 0', January 10th. Highest temperature, 92° 0', July 17th. Lowest, -23° 0', January 10th. Mean, 44° 5'. Range, 115°.

Mississippi opened, March 19th; closed, December 15th.

### XIII. FROSTS AND SNOWS, AND FLOWERING OF FRUIT-TREES, IN LAMBERTVILLE, N. J., FOR NINE YEARS.

By L. H. Parsons.

| Years.  | First and Last Frosts and Snows. |                       |                       |                      | Depth of Snow in inches. | Flowering of Fruit-trees. |          |          |
|---------|----------------------------------|-----------------------|-----------------------|----------------------|--------------------------|---------------------------|----------|----------|
|         | First Frost in Autumn.           | Last Frost in Spring. | First Snow in Autumn. | Last Snow in Spring. |                          | Peach.                    | Cherry.  | Apple.   |
| 1839-40 | Sept. 14                         | April 21              |                       | Mar. 24              | 18                       |                           |          | April 16 |
| 1840-1  | " 13                             | May 4                 | Nov. 18               | April 14             | 16                       |                           |          | May 11   |
| 1841-2  | Oct. 2                           | June 12               | " 2                   | Mar. 30              | 21                       | Mar. 27                   |          | April 12 |
| 1842-3  | Sept. 21                         | " 2                   | " 16                  | April 7              | 29                       | April 30                  | May 3    | May 10   |
| 1843-4  | " 28                             | May 13                | " 7                   | Mar. 30              | 26                       | " 14                      | April 17 | April 19 |
| 1844-5  | " 23                             | " 31                  | Oct. 30               | April 8              | 25                       | " 3                       | " 11     | " 19     |
| 1845-6  | " 22                             | " 20                  | Nov. 29               | " 13                 | 39                       | " 19                      | " 19     | " 24     |
| 1846-7  | " 28                             | " 18                  | " 24                  | " 13                 | 29                       | " 22                      | " 26     | May 4    |
| 1847-8  | Oct. 3                           | June 1                | Dec. 16               | " 19                 | 10                       | " 10                      | " 21     | April 23 |

### XIV. FLOWERING OF FRUIT-TREES IN 1848.

| Places.                         | Peach.     | Cherry.       | Apple.      |
|---------------------------------|------------|---------------|-------------|
| Saco, Me., . . . .              |            | May 15        | May 20      |
| Cambridge, Mass., . . . .       | May 5      | May 10        | May 15      |
| Montpelier, Vt., . . . .        |            | May 10        | May 20      |
| New Haven, Conn., . . . .       | April 29   | May 1         | May 10      |
| Lambertville, N. J., . . . .    | April 10   | April 21      | April 23    |
| Perth Amboy, N. J., . . . .     | April 16   | April 23      | May 1       |
| Philadelphia, Penn., . . . .    | April 23   | April 28      | May 3       |
| King George C. H., Va., . . . . | April 1-8  | April 6-8     | April 15-20 |
| Natchez, Miss., . . . .         | January 25 | Plum, Jan. 23 | March 27    |
| Bloomington, Iowa, . . . .      | April 16   | April 18      | April 23    |
| Sandusky, Ohio, . . . .         | April 12   | April 21      | May 1       |
| Madison, Wisc., . . . .         | May 4      | May 2         | May 4       |

### XV. FLOWERING OF TREES, SHRUBS, &c., AT NATCHEZ, Miss., IN 1848.

*Furnished the American Almanac by Wm. P. Mellen, Esq. \**

| Day of the Month. | Name of Tree, &c.  | Day of the Month. | Name of Tree, &c.       | Day of the Month. | Name of Tree, &c.     |
|-------------------|--------------------|-------------------|-------------------------|-------------------|-----------------------|
| Jan. 1            | Sweet Violet.      | Feb. 19           | Quince-trees.           | Mar. 6            | Cinnamon Rose.        |
| " 3               | White Hyacinth.    | " 20              | Strawberries.           | " 6               | Duchess of Modena.    |
| " 6               | Narcissus.         | " 20              | Nectarines.             | " 12              | Burr Rose.            |
| " 18              | Verbena.           | " 20              | Glory of France (rose). | " 14              | Pomegranate (bear'g). |
| " 18              | Arbor Vitæ.        | " 20              | Cherokee Rose.          | " 15              | Indian Pink.          |
| " 19              | Periwinkle.        | " 21              | Running Purple Rose.    | " 16              | Pink.                 |
| " 19              | Cedar.             | " 24              | Pink Cluster Rose.      | " 19              | Gravelle.             |
| " 23              | Plum.              | " 24              | Flowering Almond.       | " 25              | Arabian Honeysuckle.  |
| " 23              | Jonquille.         | " 24              | Yellow Lady-Banks.      | " 28              | Yellow do.            |
| " 23              | Small Purple Flag. | " 25              | Woodbine.               | Apr. 1            | China Trees.          |
| " 25              | Peach.             | " 25              | Pink Tea-Rose.          | " 3               | Catalpa.              |
| " 26              | Yellow Rose.       | " 28              | Heliotrope.             | " 4               | Geo. the Fourth Rose. |
| Feb 5             | Purple Hyacinth.   | " 28              | Blue Flox.              | " 4               | York & Lan. Rose.     |
| " 11              | Yellow Jasmine.    | " 29              | Larkspur.               | " 19              | Yellow Lily.          |
| " 11              | White Flag.        | Mar. 1            | White Tea-Rose.         | " 21              | Magnolia Grandiflora. |
| " 11              | Laura Mundi.       | " 1               | Wild Plum.              | June 6            | Tiger Lily.           |
| " 11              | Almond (bearing).  | " 1               | Red Bual.               | " 6               | Tube Rose.            |
| " 11              | Purple Magnolia.   | " 1               | Mountain Laurel.        | " 6               | Crape Myrtle.         |
| " 17              | Blackberry Rose.   | " 6               | White Lady-Banks.       | " 6               | Yellow do.            |

\* The winter at Natchez was unusually mild.

THE  
AMERICAN ALMANAC,

FOR  
1849.

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PART II.





# UNITED STATES.

## PRESIDENTS OF THE UNITED STATES FROM THE ADOPTION OF THE CONSTITUTION.

|                             |                | Term Began.     | Term Ended.    |
|-----------------------------|----------------|-----------------|----------------|
| 1. George Washington,       | Virginia,      | April 30, 1789, | March 3, 1797. |
| 2. John Adams,              | Massachusetts, | March 4, 1797,  | March 3, 1801. |
| 3. Thomas Jefferson,        | Virginia,      | March 4, 1801,  | March 3, 1809. |
| 4. James Madison,           | Virginia,      | March 4, 1809,  | March 3, 1817. |
| 5. James Monroe,            | Virginia,      | March 4, 1817,  | March 3, 1825. |
| 6. John Quincy Adams,       | Massachusetts, | March 4, 1825,  | March 3, 1829. |
| 7. Andrew Jackson,          | Tennessee,     | March 4, 1829,  | March 3, 1837. |
| 8. Martin Van Buren,        | New York,      | March 4, 1837,  | March 3, 1841. |
| 9. William Henry Harrison,* | Ohio,          | March 4, 1841,  | April 4, 1841. |
| 10. John Tyler,             | Virginia,      | April 4, 1841,  | March 3, 1845. |
| 11. James Knox Polk,        | Tennessee,     | March 4, 1845.  |                |

## I. EXECUTIVE GOVERNMENT.

THE 15th Presidential term of four years, since the establishment of the government of the United States under the Constitution, began on the 4th of March, 1845; and it will expire on the 3d of March, 1849.

|                                    |                        |                      |
|------------------------------------|------------------------|----------------------|
| JAMES K. POLK, of Tennessee,       | <i>President,</i>      | Salary.<br>\$ 25,000 |
| GEORGE M. DALLAS, of Pennsylvania, | <i>Vice-President,</i> | 5,000                |

## THE CABINET.

The following are the principal officers in the *executive department* of the government, who form the Cabinet, and who hold their offices at the will of the President.

|                   |               |                                   |                     |
|-------------------|---------------|-----------------------------------|---------------------|
| James Buchanan,   | Pennsylvania, | <i>Secretary of State,</i>        | Salary.<br>\$ 6,000 |
| Robert J. Walker, | Mississippi,  | <i>Secretary of the Treasury,</i> | 6,000               |
| William L. Marcy, | New York,     | <i>Secretary of War,</i>          | 6,000               |
| John Y. Mason,    | Virginia,     | <i>Secretary of the Navy,</i>     | 6,000               |
| Cave Johnson,     | Tennessee,    | <i>Postmaster-General,</i>        | 6,000               |
| Isaac Toucey,     | Connecticut,  | <i>Attorney-General,</i>          | 4,000               |

\* Died in office.

## DEPARTMENT OF STATE.

James Buchanan, *Secretary*.

|   | Salary.  |  | Salary. |
|---|----------|--|---------|
| Wm. S. Derrick, <i>Acting Chief Clerk</i> , | \$ 2,000 | Robert Greenhow, <i>Translator</i> ,                 | \$1,600 |
|   |          | George Hill, <i>Librarian and Commission-clerk</i> , | 1,400   |
| <i>Diplomatic Bureau.</i>                   |          | <i>Patent Office.</i>                                |         |
| William Hunter, Jr., <i>Clerk</i> ,         | 1,500    | Edmund Burke, <i>Com. Pat.</i> ,                     | 3,000   |
| Alex. H. Derrick, <i>do.</i>                | 1,600    | H. H. Sylvester, <i>Chief Clerk</i> ,                | 1,700   |
| Francis Markoe, <i>do.</i>                  | 1,400    | W. P. N. Fitzgerald,                                 | 2,500   |
| W. C. Zantzinger, <i>do.</i>                | 900      | Charles G. Page,                                     | 2,500   |
|   |          | Henry B. Renwick,                                    | 2,500   |
| <i>Consular Bureau.</i>                     |          | Leonard D. Gale,                                     | 2,500   |
| Robert S. Chew, <i>Clerk</i> ,              | 1,400    | Jona. H. Lane,                                       | 1,500   |
| Sam. L. Gouverneur, <i>do.</i>              | 1,400    | Samuel Cooper,                                       | 1,500   |
| <i>Domestic Bureau.</i>                     |          | Wm. B. Storms,                                       | 1,500   |
| A. J. Glossbrenner, <i>Clerk</i> ,          | 1,400    | Titian R. Peale,                                     | 1,500   |
| Lund Washington, Jr., <i>do.</i>            | 1,400    | A. L. McIntire, <i>Draughtsman</i> ,                 | 1,200   |
| W. C. Reddall, <i>do.</i>                   | 1,000    | A. B. Stoughton, <i>Machinist</i> ,                  | 1,250   |
| Wm. E. Stubbs, <i>do.</i>                   | 800      | E. G. Smith, <i>Agricultural Clerk</i> ,             | 1,600   |
| Edward Stubbs, <i>Disbur. Agent</i> ,       | 1,450    |  |         |

## TREASURY DEPARTMENT.

Robert J. Walker, *Secretary*.

|                                       |       |  |       |
|---------------------------------------|-------|--|-------|
| McC. Young, <i>Chief Clerk</i> ,      | 2,000 | <i>Treasurer's Office.</i>             |       |
| <i>Comptrollers.</i>                  |       | William Selden, <i>Treasurer</i> ,     | 3,000 |
| James W. McCulloh, <i>1st Comp.</i> , | 3,500 | W. B. Randolph, <i>Chief Clerk</i> ,   | 1,700 |
| James Larned, <i>Chief Clerk</i> ,    | 1,700 | <i>Assistant Treasurers.</i>           |       |
| Albion K. Parris, <i>2d Comp.</i> ,   | 3,000 | Henry Hubbard, <i>Boston</i> ,         | 2,500 |
| J. M. Brodhead, <i>Chief Clerk</i> ,  | 1,700 | Wm. C. Bouck, <i>New York</i> ,        | 4,000 |
| <i>Auditors.</i>                      |       | Jas. R. Snowden, <i>Philadelphia</i> , | 2,500 |
| Wm. Collins, <i>1st Auditor</i> ,     | 3,000 | Wm. Laval, <i>Charleston</i> ,         | 2,500 |
| Geo. H. Jones, <i>Chief Clerk</i> ,   | 1,700 | J. R. Macmurdo, <i>New Orleans</i> ,   | 2,500 |
| J. M. McCalla, <i>2d Auditor</i> ,    | 3,000 | George Penn, <i>St. Louis</i> ,        | 2,500 |
| J. F. Polk, <i>Chief Clerk</i> ,      | 1,700 | <i>Register's Office.</i>              |       |
| Peter Hagner, <i>3d Auditor</i> ,     | 3,000 | Daniel Graham, <i>Register</i> ,       | 3,000 |
| Jas. Thompson, <i>Chief Clerk</i> ,   | 1,700 | Mich. Nourse, <i>Chief Clerk</i> ,     | 1,700 |
| Aaron O. Dayton, <i>4th Auditor</i> , | 3,000 | <i>Solicitor's Office.</i>             |       |
| Th. H. Gillis, <i>Chief Clerk</i> ,   | 1,700 | Ransom H. Gillet, <i>Solicitor</i> ,   | 3,500 |
| S. Pleasanton, <i>5th Auditor</i> ,   | 3,000 | B. F. Pleasants, <i>Chief Clerk</i> ,  | 1,700 |
| Thomas Muston, <i>Chief Clerk</i> ,   | 1,700 |  |       |



| <i>Land Office.</i>   |          |  |
|---|----------|--|
|   | Salary.  |  |
| Richard M. Young, <i>Com. Gen.</i> ,                        | \$ 3,000 | John Wilson, <i>Chief Clerk of Surveys</i> ,               |
| S. H. Laughlin, <i>Recorder</i> ,                           | 2,000    | James Knox Walker, <i>Secretary to sign Land Patents</i> , |
| John Robb, <i>Chief Clerk</i> ,                             | 1,800    | 1,500  |
| Jos. S. Wilson, <i>Chief Clerk of Private Land Claims</i> , | 1,800    |  |

## WAR DEPARTMENT.

William L. Marcy, *Secretary*.

|   |       |  |
|---|-------|--|
| Arch. Campbell, Jr., <i>Ch. Clerk</i> ,                   | 2,000 | <i>Subsistence Bureau.</i>   |
| <i>Bureau of Indian Affairs.</i>                          |       | G. Gibson, <i>Brev. Brig. Gen. &amp; Com. Gen. of Subsistence.</i> |
| William Medill, <i>Commissioner</i> ,                     | 3,000 | John C. Casey, <i>Capt. &amp; Assist. Com.</i>                     |
| John T. Cochran, <i>Chief Clerk</i> ,                     | 1,700 | Richard Gott, <i>Chief Clerk</i> ,                                 |
|   |       | 1,600  |
| <i>Pension Bureau.</i>                                    |       | <i>Medical &amp; Surgical Bureau.</i>                              |
| Jas. L. Edwards, <i>Commissioner</i> ,                    | 2,500 | Thomas Lawson, <i>Surg. Gen.</i> ,                                 |
| Geo. W. Crump, <i>Chief Clerk</i> ,                       | 1,600 | H. L. Heiskell, <i>Surgeon.</i>                                    |
|   |       | R. Johnson, <i>Chief Clerk</i> ,                                   |
|   |       | 1,150  |
| <i>Adjutant-General.</i>                                  |       | <i>Engineer Bureau.</i>  |
| Roger Jones, <i>Adjutant-General.</i>                     |       | J. G. Totten, <i>Col. &amp; Chief Engineer.</i>                    |
| John M. Hepburn, <i>Chief Clerk</i> ,                     | 1,200 | F. A. Smith, <i>Capt. &amp; Assist. Eng.</i>                       |
|   |       | F. N. Barbarin, <i>Chief Clerk</i> ,                               |
|   |       | 1,200  |
| <i>Quartermaster's Bureau.</i>                            |       | <i>Topographical Bureau.</i>                                       |
| T. S. Jesup, <i>Brev. Maj. Gen. &amp; Q. M. Gen.</i>      |       | John J. Abert, <i>Col. &amp; Chief Top. Eng.</i>                   |
| Wm. A. Gordon, <i>Prin. Clerk</i> ,                       | 1,600 | W. H. Swift, <i>Capt. &amp; Assist. Eng.</i>                       |
|   |       | Geo. Thompson, <i>Chief Clerk</i> ,                                |
|   |       | 1,400  |
| <i>Pay Bureau.</i>  |       | <i>Ordnance Bureau.</i>  |
| N. Towson, <i>Brev. Br. Gen. &amp; Paymaster-General.</i> |       | Geo. Talcott, <i>Col. in charge of Bur.</i>                        |
| Nathaniel Fry, <i>Chief Clerk</i> ,                       | 1,700 | W. Maynadier, <i>Capt. &amp; Assist.</i>                           |
|   |       | Geo. Bender, <i>Chief Clerk</i> ,                                  |
|   |       | 1,200  |

## NAVY DEPARTMENT.

John Y. Mason, *Secretary*.

|  |            |  |
|--|------------|--|
| Robert W. Young, <i>Chief Clerk</i> ,                              |            | 2,000                                    |
| Joseph Smith, <i>Chief of the Bureau of Docks and Navy Yards</i> , |            | 3,500                                    |
| Lewis Warrington, <i>do.</i>                                       | <i>do.</i> | <i>Ordnance and Hydrography</i> ,        |
| Chas W. Skinner, <i>do.</i>  | <i>do.</i> | 3,500                                    |
| Gideon Welles, <i>do.</i>  | <i>do.</i> | <i>Construct. Repairs &amp; Equip.</i> , |
|  |            | 3,000                                    |
|  |            | <i>Provisions and Clothing</i> ,         |
|  |            | 3,000                                    |

Thomas Harris, *Chief of the Bureau of Med. and Surg. Instruments*, \$2,500  
 Alex. D. Bache, *Superintendent of the Coast Survey*, 6,000

### POST-OFFICE DEPARTMENT.

Cave Johnson, *Postmaster-General*.

|  |       |
|--|-------|
| Selah R. Hobbie, <i>1st Assistant Postmaster-Gen., Contract Office,</i>  | 2,500 |
| Wm. J. Brown, <i>2d do. do. do., Appointment Office,</i>                 | 2,500 |
| John Marron, <i>3d do. do. do.,</i>                                      | 2,500 |
| Wm. H. Dundas, <i>Chief Clerk, Post-Office Department,</i>               | 2,000 |
| Peter G. Washington, <i>Auditor of the Treasury for the Post-Office,</i> | 3,000 |
| E. G. Eastman, <i>Chief Clerk of the Auditor,</i>                        | 2,000 |
| Charles Douglass, <i>Commissioner of Public Buildings,</i>               | 2,000 |

### POSTMASTERS IN THE CHIEF TOWNS AND CITIES.

[Corrected in the Post-Office Department, August 10, 1848.]

| Cities.            | Postmasters.     | Cities.           | Postmasters.      |
|--------------------|------------------|-------------------|-------------------|
| Augusta, Me.       | A. R. Nichols.   | Nashua, N. H.     | Ch's P. Danforth. |
| Bangor, Me.        | Isaac C. Haynes. | Portsmouth, N. H. | Neh. Moses.       |
| Bath, Me.          | Thomas Eaton.    | Bennington, Vt.   | Edward Rice.      |
| Brunswick, Me.     | T. S. McLellan.  | Brattleboro', Vt. | F. N. Palmer.     |
| Calais, Me.        | J. C. Washburn.  | Burlington, Vt.   | William Noble.    |
| Castine, Me.       | Charles Rogers.  | Middlebury, Vt.   | Edw. D. Barber.   |
| Eastport, Me.      | Oliver Shead.    | Montpelier, Vt.   | Geo. W. Read.     |
| Hallowell, Me.     | David H. Goodno. | Rutland, Vt.      | J. C. Dexter.     |
| *Portland, Me.     | N. L. Woodbury.  | Windsor, Vt.      | J. M. Thorndike.  |
| Robbinston, Me.    | Jas. M. Balkam.  | Amherst, Mass.    | Seth Nims.        |
| Saco, Me.          | Bowen C. Greene. | Andover, Mass.    | Samuel Phillips.  |
| Thomaston, Me.     | Samuel Fuller.   | *Boston, Mass.    | Nath'l Greene.    |
| Waterville, Me.    | E. L. Getchell.  | Cambridge, Mass.  | T. J. Whittemore. |
| Charlestown, N. H. | Matthew Tole.    | Charlestown, Ms.  | Wm. Sawyer.       |
| Concord, N. H.     | Jos. Robinson.   | Dedham, Mass.     | Elisha Thayer.    |
| Dover, N. H.       | Thos. Stackpole. | Greenfield, Mass. | D. N. Carpenter.  |
| Exeter, N. H.      | Jerem. Dearborn. | Lawrence, Mass.   | G. A. Waldo.      |
| Hanover, N. H.     | Alfred Morse.    | Lowell, Mass.     | Stephen S. Seavy. |
| Keene, N. H.       | Wm. L. Foster.   | Lynn, Mass.       | Benj. Mudge.      |
| Manchester, N. H.  | W. F. Lane.      | Nantucket, Mass.  | Geo. F. Worth.    |

\* The offices marked thus (\*) are the distributing offices.

| Cities.            | Postmasters.       | Cities.              | Postmasters.         |
|--------------------|--------------------|----------------------|----------------------|
| New Bedford, Ms.   | Edw. W. Greene.    | Rome, N. Y.          | J. Hathaway.         |
| Newburyport, Ms.   | Stephen Ilsley.    | Saratoga Sp., N. Y.  | Thos. J. Marvin.     |
| Northampton, Ms.   | Amos H. Bullen.    | Schenectady, N. Y.   | James M. Bouck.      |
| Pittsfield, Mass.  | Phineas Allen, Jr. | Sharon, N. Y.        | Wm. Van Valkenburgh. |
| Plymouth, Mass.    | Ephraim Spooner.   | Syracuse, N. Y.      | Wm. W. Teall.        |
| Salem, Mass.       | Benj. F. Browne.   | Troy, N. Y.          | George R. Davis.     |
| Sandwich, Mass.    | Z. R. Hinckly.     | Utica, N. Y.         | A. G. Dauby.         |
| Springfield, Mass. | Harvey Chapin.     | West Point, N. Y.    | Mary Berard.         |
| Taunton, Mass.     | Ch. R. Vickery.    | Whitehall, N. Y.     | Atherton Hall.       |
| Ware, Mass.        | Addison Sanford.   | Burlington, N. J.    | Jos. L. Wright.      |
| Williamstown, Ms.  | John S. Gray.      | Newark, N. J.        | Wilson Knott.        |
| Worcester, Mass.   | M. L. Fisher.      | N. Brunswick, N. J.  | John Simpson.        |
| Newport, R. I.     | Jos. Joslen.       | Paterson, N. J.      | Wm. D. Quinn.        |
| Pawtucket, R. I.   | F. A. Sumner.      | Princeton, N. J.     | W. R. Murphy.        |
| *Providence, R. I. | W. B. Sayles.      | Trenton, N. J.       | Joseph Justice.      |
| Bridgeport, Conn.  | Philo F. Barnum.   | Carlisle, Pa.        | Geo. Sanderson.      |
| *Hartford, Conn.   | Normand Lyman.     | Chambersb'g, Pa.     | John McClintock.     |
| Litchfield, Conn.  | R. M. Woodruff.    | Easton, Pa.          | John S. Hirster.     |
| Middletown, Ct.    | Allen May.         | *Erie, Pa.           | Robert Cochran.      |
| New Haven, Ct.     | Ed. A. Mitchell.   | Harrisburg, Pa.      | Isaac G. McKinley.   |
| New London, Ct.    | Stanly G. Trott.   | Holidaysburg, Pa.    | John Gorley.         |
| Norwich, Conn.     | W. L. Hommedieu.   | Lancaster, Pa.       | Mary Dickson.        |
| *Albany, N. Y.     | Jas. D. Wasson.    | Meadville, Pa.       | J. J. Douglass.      |
| Auburn, N. Y.      | Amos S. Rathbun.   | *Northumberland, Pa. | John W. Miles.       |
| Batavia, N. Y.     | F. Follett.        | *Philadelphia, Pa.   | Geo. F. Lehman.      |
| Bingh'pton, N. Y.  | John H. H. Park.   | *Pittsburg, Pa.      | Cham. McKibbin.      |
| Brooklyn, N. Y.    | Henry C. Conklin.  | Pottsville, Pa.      | Daniel Krebs.        |
| *Buffalo, N. Y.    | Henry K. Smith.    | Reading, Pa.         | John K. Wright.      |
| Canandaigua, N. Y. | Thos. B. Hahn.     | Uniontown, Pa.       | Armstr'g Hadden.     |
| Catskill, N. Y.    | W. W. Van Loan.    | Wilkesbarre, Pa.     | E. B. Collins.       |
| Cooperst'n, N. Y.  | Robert Davis.      | Dover, Del.          | Henry Cole.          |
| Elmira, N. Y.      | Levi J. Cooley.    | Newcastle, Del.      | Hetty Ritchie.       |
| Geneva, N. Y.      | Geo. M. Horton.    | Wilmington, Del.     | Wm. R. Sellers.      |
| Hudson, N. Y.      | Paul D. Carrique.  | Annapolis, Md.       | Martin F. Revell.    |
| Ithaca, N. Y.      | J. M. McCormick.   | *Baltimore, Md.      | Jas. M. Buchanan.    |
| Lockport, N. Y.    | H. W. Scovel.      | Cumberland, Md.      | Jacob Fetchtig.      |
| Newburg, N. Y.     | James Belknap.     | Frederick, Md.       | John Rigney.         |
| *New York, N. Y.   | Robert H. Morris.  | Hagerstown, Md.      | C. Hilliard.         |
| Ogdensburg, N. Y.  | Luke Baldwin.      | Georgetown, D. C.    | H. W. Tilley.        |
| Oswego, N. Y.      | D. P. Brewster.    | *Washington, D. C.   | Chas. K. Gardner.    |
| Owego, N. Y.       | S. B. Leonard.     | Abingdon, Va.        | J. K. Gibson.        |
| Plattsburg, N. Y.  | Levi Platt.        | Alexandria, Va.      | Daniel Bryan.        |
| Po'keepsie, N. Y.  | Egbert B. Killey.  | Charlottesv'e, Va.   | T. Wayt.             |
| Rochester, N. Y.   | Henry Campbell.    | Clarksburg, Va.      | H. G. Johnson.       |

| Cities.             | Postmasters.        | Cities.              | Postmasters.       |
|---------------------|---------------------|----------------------|--------------------|
| Fredericksburg, Va. | R. T. Thom.         | Donaldsonv'e, La.    | Andrew Gregory.    |
| *Kanawha C.H., Va.  | James A. Lewis.     | *Nachitoches, La.    | Thos. H. Aivory.   |
| Lynchburg, Va.      | Robert Cawthon.     | *New Orleans, La.    | Alex. G. Penn.     |
| *Norfolk, Va.       | Alexander Galt.     | Austin, Tex.         | Samuel G. Haynie.  |
| *Petersburg, Va.    | Wm. N. Friend.      | Corpus Christi, Tex. | W. P. Aubry.       |
| Richmond, Va.       | Thos. B. Bigger.    | *Galveston, Tex.     | R. D. Johnson.     |
| *Wheeling, Va.      | Alex. Newman.       | Houston, Tex.        | M. K. Snell.       |
| Winchester, Va.     | Henry F. Baker.     | Fort Gibson, Ark.    | Wm. P. Denckla.    |
| *Ashville, N. C.    | Montraville Patton. | Little Rock, Ark.    | Lambert Reardon.   |
| Fayetteville, N. C. | John McRae.         | Columbia, Tenn.      | Jeremiah Cherry.   |
| Greensboro', N. C.  | Wilson S. Hill.     | Knoxville, Tenn.     | Sam. W. Bell, Jr.  |
| Hillsboro', N. C.   | James M. Palmer.    | *Memphis, Tenn.      | M. B. Winchester.  |
| Newbern, N. C.      | W. G. Bryan.        | Murfreesboro', Ten.  | G. T. Henderson.   |
| *Raleigh, N. C.     | Wm. White.          | *Nashville, Tenn.    | L. P. Cheatham.    |
| Wilmington, N. C.   | Daniel Dickson.     | *Cumb'd Gap, Ky.     | Wm. Dickinson.     |
| Camden, S. C.       | J. N. Gamewell.     | Frankfort, Ky.       | Ben. F. Johnson.   |
| *Charleston, S. C.  | Alfred Huger.       | Lexington, Ky.       | Joseph Ficklin.    |
| Columbia, S. C.     | James B. Glass.     | *Louisville, Ky.     | Thomas J. Read.    |
| Georgetown, S. C.   | Wm. McNulty.        | *Maysville, Ky.      | Rich. H. Stanton.  |
| *Yorkville, S. C.   | Samuel Melton.      | Chillicothe, Ohio,   | J. R. Anderson.    |
| Athens, Ga.         | John Crawford.      | *Cincinnati, Ohio,   | Geo. Crawford.     |
| *Augusta, Ga.       | E. B. Glascock.     | Cleveland, Ohio,     | T. P. Spencer.     |
| *Columbus, Ga.      | John Forsyth.       | *Columbus, Ohio,     | Samuel Medary.     |
| Darien, Ga.         | Jacob Hutson.       | Dayton, Ohio,        | J. W. McCorkle.    |
| Macon, Ga.          | Thos. L. Ross.      | Marietta, Ohio,      | A. L. Guitteaw.    |
| Milledgeville, Ga.  | E. Daggett.         | Newark, Ohio,        | Daniel Humphreys.  |
| *Savannah, Ga.      | G. Schley.          | Sandusky, Ohio,      | Elijah Brink.      |
| Apalachicola, Fa.   | Joseph S. May.      | Steubenville, Oh.    | W. O'Neal.         |
| Key West, Fa.       | Jos. C. Whalton.    | *Toledo, Ohio,       | Tru. C. Evarts.    |
| Pensacola, Fa.      | H. Kelly.           | Zanesville, Ohio,    | Israel Hoge.       |
| Tallahassee, Fa.    | Miles Nash.         | Adrian, Mich.        | Abel Whitney.      |
| Florence, Ala.      | Geo. W. Sneed.      | Ann Arbor, Mich.     | F. J. B. Crane.    |
| Greensboro', Ala.   | A. Stollenwerck.    | *Detroit, Mich.      | John S. Bagg.      |
| *Huntsville, Ala.   | W. A. Nunnally.     | Jackson, Mich.       | Wilbur F. Storey.  |
| Mobile, Ala.        | T. L. Toulmin.      | Kalamazoo, Mich.     | Alexis Ransom.     |
| *Montgomery, Ala.   | Neil Blue.          | Pontiac, Mich.       | S. W. Denton.      |
| Tuscaloosa, Ala.    | Wm. D. Marrast.     | Evansville, Ind.     | B. F. Dupuy.       |
| *Tuscumbia, Ala.    | Jonas J. Bell.      | *Indianapolis, Ind.  | Living's'n Dunlap. |
| Jackson, Miss.      | C. R. Dickson.      | Lafayette, Ind.      | Jacob Walker.      |
| *Natchez, Miss.     | Woodson Wren.       | Madison, Ind.        | Rolla Doolittle.   |
| Pass Christian, Mi. | Sarah A. Hiern.     | New Albany, Ind.     | Calvin W. Ruter.   |
| Port Gibson, Miss.  | J. C. Melchior.     | Terre Haute, Ind.    | Steph. G. Dodge.   |
| *Vicksburg, Miss.   | N. D. Coleman.      | *Vincennes, Ind.     | Elihu Stout.       |
| Baton Rouge, La.    | Hugh T. Waddill.    | Alton, Ill.          | Timothy Souther.   |

| Cities.            | Postmasters.     | Cities.             | Postmasters.      |
|--------------------|------------------|---------------------|-------------------|
| *Chicago, Ill.     | Hart L. Stewart. | Independence, Mo.   | G. W. Buchanan.   |
| Galena, Ill.       | J. L. Slaymaker. | Jefferson Bar., Mo. | Geo. Stevenson.   |
| Jacksonville, Ill. | Wm. M. Happy.    | Jefferson City, Mo. | Abr'm Falkerson.  |
| Kaskaskia, Ill.    | J. D. Spindle.   | *St. Louis, Mo.     | John M. Wimer.    |
| Peoria, Ill.       | W. H. Fessenden. | Bloomington, Io.    | George Earll.     |
| Quincy, Ill.       | S. W. Rogers.    | Madison, Wisc.      | David Holt, Jr.   |
| *Shawneet'n, Ill.  | Jos. B. Barger.  | Milwaukie, Wisc.    | Josiah A. Noonan. |

## COLLECTORS OF CUSTOMS IN THE PRINCIPAL PORTS.

[Corrected in the Treasury Department, July 27th, 1848.]

| Ports.            | Collectors.       | Ports.              | Collectors.       |
|-------------------|-------------------|---------------------|-------------------|
| Bangor, Me.       | Daniel Emery.     | Alburgh, Vt.        | R. G. Hopkinson.  |
| Bath, Me.         | J'n C. Humphreys. | Fairfield, Ct.      | Wm. S. Pomeroy.   |
| Belfast, Me.      | Alfred Marshall.  | Middletown, Ct.     | Philip Sage.      |
| Castine, Me.      | B. H. Bridgham.   | New Haven, Ct.      | Norris Wilcox.    |
| Eastport, Me.     | Bion Bradbury.    | New London, Ct.     | Thomas Mussey.    |
| Ellsworth, Me.    | Jos. H. Jordan.   | Stonington, Ct.     | Benj. Pomeroy.    |
| Kennebunk, Me.    | Abel M. Bryant.   | Buffalo, N. Y.      | H. W. Rogers.     |
| Machias, Me.      | Wm. Brown.        | C. Vincent, N. Y.   | Peleg Burchard.   |
| Portland, Me.     | Robert P. Dunlap. | Lewiston, N. Y.     | R. H. Boughton.   |
| Saco, Me.         | Ichabod Jordan.   | New York, N. Y.     | C. W. Lawrence.   |
| Waldoboro', Me.   | Edmund Wilson.    | Ogdensburg, N. Y.   | David C. Judson.  |
| Wiscasset, Me.    | James Taylor.     | Oswego, N. Y.       | G. H. McWhorter.  |
| York, Me.         | Jos. P. Junkins.  | Plattsburg, N. Y.   | Wm. F. Haile.     |
| Portsmouth, N. H. | Aug. Jenkins.     | Rochester, N. Y.    | Joseph Sibley.    |
| Barnstable, Ms.   | S. B. Phinney.    | Sacket's H'r, N. Y. | Otis N. Cole.     |
| Boston, Ms.       | Marcus Morton.    | Sag Harbour, N. Y.  | A. Huntington.    |
| Edgartown, Ms.    | Jos. T. Pease.    | Bargaintown, N. J.  | Robert B. Risley. |
| Fall River, Ms.   | Phin. W. Leland.  | Bridgetown, N. J.   | James M. Newell.  |
| Gloucester, Ms.   | Eli F. Stacy.     | Burlington, N. J.   | Gershom Mott.     |
| Marblehead, Ms.   | Peter Dixey.      | Lamberton, N. J.    | — Gellott.        |
| Nantucket, Ms.    | Charles W. Rand.  | Newark, N. J.       | James Hewson.     |
| New Bedford, Ms.  | Jos. T. Adams.    | Perth Amboy, N. J.  | Jas. A. Nichols.  |
| Newburyport, Ms.  | Wm. Nichols.      | Tuckerton, N. J.    | <i>Vacancy.</i>   |
| Plymouth, Ms.     | Wm. M. Jackson.   | Erie, Pa.           | Murray Whallon.   |
| Salem, Ms.        | James Miller.     | Philadelphia, Pa.   | James Page.       |
| Bristol, R. I.    | Wm. J. Miller.    | Wilmington, Del.    | Henry Hicks.      |
| Newport, R. I.    | Edwin Wilbur.     | Annapolis, Md.      | Richard Sands.    |
| Providence, R. I. | Benj. Cowell.     | Baltimore, Md.      | Wm. H. Marriott.  |

| Ports.              | Collectors.        | Ports.              | Collectors.        |
|---------------------|--------------------|---------------------|--------------------|
| Oxford, Md.         | Nicholas Willis.   | Apalachicola, Fa.   | Sam. W. Spencer.   |
| Vienna, Md.         | B. H. Crockett.    | Jacksonville, Fa.   | James Dell.        |
| Georgetown, D.C.    | Robert White.      | Key West, Fa.       | Steph. R. Mallory. |
| Alexandria, Va.     | Edward Green.      | Pensacola, Fa.      | Dillon Jordan.     |
| Cherry Stone, Va.   | P. S. Bowdoin.     | Port Leon, Fa.      | N. W. Walker.      |
| Norfolk, Va.        | Conway Whittle.    | St. Augustine, Fa.  | George Center.     |
| Petersburg, Va.     | J. T. Roasser.     | Mobile, Ala.        | Jas. E. Saunders.  |
| Richmond, Va.       | Thomas Nelson.     | Natchez, Miss.      | John D. Elliott.   |
| Tappahann'k, Va.    | John A. Parker.    | Shieldsboro', Miss. | Rufus O. Pray.     |
| Yorktown, Va.       | Wm. Nelson.        | Ship Island, Miss.  | Chas. D. Learned.  |
| Beaufort, N. C.     | J. E. Gible.       | Vicksburg, Miss.    | Hardy Hendren.     |
| Edenton, N. C.      | R. Rawls.          | Franklin, La.       | R. N. M'Millan.    |
| Eliza'h City, N. C. | W. D. Pritchard.   | New Orleans, La.    | Denis Prieur.      |
| Newbern, N. C.      | T. S. Singleton.   | Galveston, Texas,   | Hiram J. Runnels.  |
| Ocracoke, N. C.     | Thos. J. Pasteur.  | Sabine, Texas,      | H. W. Augustin.    |
| Plymouth, N. C.     | Joseph Ramsay.     | Saluria, Texas,     | Alex. Somerville.  |
| Washington, N. C.   | Jas. K. Hatton.    | Cleveland, Ohio,    | Smith Inglehart.   |
| Wilmington, N. C.   | W. C. Bettincourt. | Maumee, Ohio,       | J. H. Forsyth.     |
| Beaufort, S. C.     | B. B. Bythewood.   | Sandusky, Ohio,     | Wm. Patterson.     |
| Charleston, S. C.   | Wm. J. Grayson.    | Chicago, Ill.       | N. B. Snowhook.    |
| Georgetown, S. C.   | Thomas L. Shaw.    | Detroit, Mich.      | C. G. Hammond.     |
| Darien, Geo.        | <i>Vacancy.</i>    | Michil'ck, Mich.    | S. K. Haring.      |
| Savannah, Geo.      | Wm. B. Bullock.    | Oregon, O. T.       | John Adair.        |
| St. Mary's, Geo.    | Archibald Clark.   |                     |                    |

## II. THE JUDICIARY.

### PLACES AND TIMES OF HOLDING THE CIRCUIT COURTS.

|                     |  |
|---------------------|--|
| MAINE, . . . .      | <i>Portland</i> , 23d April and 23d September.   |
| NEW HAMPSHIRE, .    | <i>Portsmouth</i> , 8th May ; — <i>Exeter</i> , 8th October.   |
| VERMONT, . . . .    | <i>Windsor</i> , 21st May ; — <i>Rutland</i> , 3d October.   |
| MASSACHUSETTS, .    | <i>Boston</i> , 15th May and 15th October.   |
| RHODE ISLAND, .     | <i>Newport</i> , 15th June ; — <i>Providence</i> , 15th November.  |
| CONNECTICUT, . .    | <i>New Haven</i> , 4th Tuesday in April ; — <i>Hartford</i> , 3d Tuesday in September.                                     |
| N. YORK, S. Dist, . | <i>New York</i> , last Monday in February, 1st Monday in April, and 3d Monday in October.                                  |
| N. YORK, N. Dist.,  | <i>Albany</i> , 3d Tuesday in October and 3d Tuesday in May ; — <i>Canandaigua</i> , Tuesday next after 3d Monday in June. |



|                        |   |
|------------------------|---|
| NEW JERSEY, . . .      | <i>Trenton</i> , 4th Tuesday in March and September.  |
| PENN., E. Dist., . . . | <i>Philadelphia</i> , 11th April and 11th October.  |
| PENN., W. Dist., . . . | <i>Pittsburg</i> , 3d Monday in May and November ; —<br><i>Williamsport</i> , 3d Monday in June and September.  |
| DELAWARE, . . .        | <i>Newcastle</i> , Tuesday following 4th Monday in May ;<br>— <i>Dover</i> , Tuesday following 3d Monday in October.  |
| MARYLAND, . . .        | <i>Baltimore</i> , 1st Monday in April and November.  |
| VIRGINIA, E. Dist.,    | <i>Richmond</i> , 1st Monday in May and 4th Monday in November.   |
| VIRGINIA, W. Dist.,    | <i>Lewisburg</i> , 1st Monday in August.  |
| NORTH CAROLINA, .      | <i>Raleigh</i> , 1st Monday in June and last Monday in November.  |
| SOUTH CAROLINA, .      | <i>Charleston</i> , Wednesday preceding the 4th Monday in March ; — <i>Columbia</i> , 4th Monday in November.   |
| GEORGIA, N. Dist.,     | <i>Marietta</i> ,* 2d Monday in March and September.  |
| GEORGIA, S. Dist.,     | <i>Savannah</i> , 2d Monday in April ; — <i>Milledgeville</i> ,<br>Thursday after 1st Monday in November.   |
| ALABAMA, . . .         | <i>Mobile</i> , 2d Monday in April, and 4th Monday in December.   |
| MISSISSIPPI, . . .     | <i>Jackson</i> , 1st Monday in May and November.  |
| LOUISIANA, . . .       | <i>New Orleans</i> , 4th Monday in April and 3d Monday in December.   |
| TEXAS, . . . . .       | <i>Galveston</i> , 1st Monday in February.  |
| TENNESSEE, . . .       | <i>Nashville</i> , 1st Monday in March and September ; —<br><i>Knoxville</i> , 3d Monday in April and October ; —<br><i>Jackson</i> , 2d Monday in October and April. |
| KENTUCKY, . . .        | <i>Frankfort</i> , 3d Monday in May and October.  |
| OHIO, . . . . .        | <i>Columbus</i> , 3d Monday in July and 2d Monday in November.  |
| MICHIGAN, . . .        | <i>Detroit</i> , 3d Monday in June and 2d Monday in October.  |
| INDIANA, . . . .       | <i>Indianapolis</i> , 3d Monday in May and 1st Monday in December.  |
| ILLINOIS, . . . .      | <i>Springfield</i> , 1st Monday in June and last Monday in November ; — <i>Chicago</i> , 1st Monday in July.  |
| MISSOURI, . . .        | <i>St. Louis</i> , 1st Monday in April.   |
| ARKANSAS, . . .        | <i>Little Rock</i> , 2d Monday in April.  |
| DIST. COLUMBIA, .      | <i>Washington</i> , 4th Monday in March and 3d Monday in October.   |

\* This court is held by the District Judge, with special authority to exercise the powers and jurisdiction of a judge of the Circuit Court. See *post*, "Titles and Abstracts of the Public Laws," No. 85.

## SUPREME COURT.

|                     | Residence.          |                           | Appointed. | Salary.   |
|---------------------|---------------------|---------------------------|------------|-----------|
| Roger B. Taney,     | Baltimore, Md.,     | <i>Chief Justice,</i>     | 1836,      | \$ 5,000  |
| John McLean,        | Cincinnati, Ohio,   | <i>Associate Justice,</i> | 1829,      | 4,500     |
| James M. Wayne,     | Savannah, Ga.,      | "                         | 1835,      | 4,500     |
| John Catron,        | Nashville, Tenn.,   | "                         | 1837,      | 4,500     |
| John McKinley,      | Louisville, Ky.,    | "                         | 1837,      | 4,500     |
| Peter V. Daniel,    | Richmond, Va.,      | "                         | 1841,      | 4,500     |
| Samuel Nelson,      | Cooperstown, N. Y., | "                         | 1845,      | 4,500     |
| Levi Woodbury,      | Portsmouth, N. H.,  | "                         | 1845,      | 4,500     |
| Robert C. Grier,    | Pittsburg, Pa.,     | "                         | 1846,      | 4,500     |
| Nathan Clifford,    | Washington, D. C.,  | <i>Attorney-General,</i>  | 1846,      | 4,000     |
| Benj. C. Howard,    | Baltimore, Md.,     | <i>Reporter,</i>          | 1843,      | 1,300     |
| William T. Carroll, | Washington, D. C.,  | <i>Clerk,</i>             |            | Fees, &c. |

The Supreme Court is held in the City of Washington, and has one session annually, commencing on the 1st Monday of December.

## \* DISTRICT COURTS:—JUDGES, ATTORNEYS,

| Districts.           | Judges.              | Residence.    | Salary. | Attorneys.          | Pay.   |
|----------------------|----------------------|---------------|---------|---------------------|--------|
| 1 Maine,             | Ashur Ware,          | Portland,     | \$1,800 | Aug. Haines,        | \$200† |
| 2 N. Hampshire,      | Matthew Harvey,      | Hopkinton,    | 1,000   | Josiah Minot,       | 200†   |
| 3 Vermont,           | Samuel Prentiss,     | Montpelier,   | 1,200   | Charles Linsley,    | 200†   |
| 4 Massachusetts,     | Peleg Sprague,       | Boston,       | 2,500   | Robert Rantoul, Jr. | 1      |
| 5 Rhode Island,      | John Pitman,         | Providence,   | 1,500   | Walter S. Burges,   | 200†   |
| 6 Connecticut,       | A. T. Judson,        | Canterbury,   | 1,500   | Jonathan Stoddard,  | 200†   |
| 7 N. Y. { N. Dist.   | Alfred Conkling,     | Auburn,       | 2,000   | George W. Clinton,  | 200†   |
| 8 { S. Dist.         | Samuel R. Betts,     | New York,     | 3,500   | Benj. F. Butler,    | 1      |
| 9 New Jersey,        | Ph. Dickerson,       | Paterson,     | 1,500   | James S. Greene,    | 200†   |
| 10 Pa. { E. Dist.    | John K. Kane,        | Philadelphia, | 2,500   | Thomas M. Pettit,   | 1      |
| 11 { W. Dist.        | Thomas Irwin,        | Pittsburg,    | 1,800   | John L. Dawson,     | 200†   |
| 12 Delaware,         | Willard Hall,        | Wilmington,   | 1,500   | Wm. H. Rogers,      | 200†   |
| 13 Maryland,         | Upton S. Heath,      | Baltimore,    | 2,000   | W. L. Marshall,     | 1      |
| 14 Va. { E. Dist.    | J. D. Hallyburton,   | N. Kent C.H.  | 1,800   | R. C. Nicholas,     | 200†   |
| 15 { W. Dist.        | J. W. Brockenbrough, | Lexington,    | 1,600   | Geo. W. Thompson,   | 200†   |
| 16 North Carolina,   | Henry Potter,        | Fayetteville, | 2,000   | Duncan K. McRae,    | 200†   |
| 17 South Carolina,   | R. B. Gilchrist,     | Charleston,   | 2,500   | Edward McCrady,     | 200†   |
| 18 Georgia, §        | John C. Nicoll,      | Savannah,     | 2,500   | Henry R. Jackson,   | 200†   |
| 19 Fa. { N. Dist.    | Isaac H. Bronson,    | St. August'e, | 2,000   | Chandler C. Yonge,  | 200†   |
| 20 { S. Dist.        | William Marvin,      | Key West,     | 2,000   | L. Windsor Smith,   | 200†   |
| 21 Ala. § { S. Dist. | William Crawford,    | Mobile,       | 2,500   | Alex. B. Meek,      | 200†   |
| 22 { N. Dist.        |                      |               |         | J. A. S. Acklin,    | 200†   |
| 23 Miss. { N. Dist.  | S. J. Gholson,       | Athens,       | 2,000   | Oscar F. Bledsoe,   | 200†   |
| 24 { S. Dist.        |                      |               |         | R. M. Gaines,       | 200†   |
| 25 Louisiana,        | T. H. McCaleb,       | N. Orleans,   | 3,000   | Thomas J. Durant,   | 200†   |
| 26 Texas,            | John C. Watrous,     | Galveston,    | 2,000   | F. H. Merriman,     | 200†   |
| 27 Tenn. { W. Dist.  |                      |               |         | H. W. McCorry,      | 200†   |
| 28 { M. Dist.        | M. B. Brown,         | Nashville,    | 1,500   | Thomas D. Mosely,   | 200†   |
| 29 { E. Dist.        |                      |               |         | Thomas C. Lyon,     | 200†   |
| 30 Kentucky,         | Th. B. Monroe,       | Frankfort,    | 1,500   | P. S. Loughborough, | 200†   |
| 31 Ohio,             | H. H. Leavitt,       | Steubenville, | 1,500   | Thos. W. Bartley,   | 200†   |
| 32 Indiana,          | E. M. Huntington,    | Terre Haute,  | 1,500   | Daniel Mace,        | 200†   |
| 33 Illinois,         | Nathaniel Pope,      | Alton,        | 1,500   | David L. Gregg,     | 200†   |
| 34 Missouri,         | Robert W. Wells,     | Jeffson City, | 1,500   | Thomas J. Gantt,    | 200†   |
| 35 Michigan,         | Ross Wilkins,        | Detroit,      | 1,500   | John Norvell,       | 200†   |
| 36 Arkansas,         | Benjamin Johnson,    | Little Rock,  | 2,000   | S. H. Hempstead,    | 200†   |
| 37 Iowa,             | John J. Dyer,        | Dubuque,      | 1,500   | Isaac M. Preston,   | 200†   |
| 38 Wisconsin,        | Andrew G. Miller,    | Milwaukie,    | 1,600   | T. W. Sutherland,   | 200†   |

\* Corrected at the Department of State, Aug. 4, 1848.

† And Fees.

‡ Fees, &c.

§ The judicial districts of Georgia and Alabama have been altered by act of Congress. See post, "Titles and Abstracts of the Public Laws," Nos. 79 and 85.

## CIRCUIT COURTS.

The United States are divided into the following nine Judicial Circuits, in each of which a Circuit Court is held twice every year, for each State within the Circuit, by a Justice of the Supreme Court, assigned to the Circuit, and by the District Judge of the State or District in which the Court sits.

|              |  | Presiding Judge.       |
|--------------|--|------------------------|
| 1st Circuit, | Maine, N. Hampshire, Mass., and R. I., | Mr. Justice Woodbury.  |
| 2d "         | Vermont, Connecticut, and New York,    | Mr. Justice Nelson.    |
| 3d "         | New Jersey and Pennsylvania,           | Mr. Justice Grier.     |
| 4th "        | Delaware, Maryland, and Virginia,      | Mr. Ch. Justice Taney. |
| 5th "        | Alabama and Louisiana,                 | Mr. Justice McKinley.  |
| 6th "        | N. Carolina, S. Carolina, and Georgia, | Mr. Justice Wayne.     |
| 7th "        | Ohio, Indiana, Illinois, and Michigan, | Mr. Justice McLean.    |
| 8th "        | Kentucky, Tennessee, and Missouri,     | Mr. Justice Catron.    |
| 9th "        | Mississippi and Arkansas,              | Mr. Justice Daniel.    |

The States of Florida, Texas, Iowa, and Wisconsin have not yet been attached to any Circuit. There is a local Circuit Court held by three Judges in the District of Columbia, specially appointed for that purpose. The Chief Justice of that Court sits also as District Judge of that District.

## MARSHALS, AND CLERKS.

| Marshals.               | Residence.     | Pav.   | Clerks.            | Residence.    | Pay.  |
|-------------------------|----------------|--------|--------------------|---------------|-------|
| 1 Virgil D. Parris,     | Portland,      | \$200† | John Mussey,       | Portland,     | Fees. |
| 2 Cyrus Barton,         | Concord,       | 200†   | Albert R. Hatch,   | Portsmouth,   | "     |
| 3 Jacob Kent,           | Wells River,   | 200†   | E. H. Prentiss,    | Montpelier,   | "     |
| 4 Isaac O. Barnes,      | Boston,        | †      | Seth E. Sprague,   | Boston,       | "     |
| 5 Burrington Anthony,   | Providence,    | 200†   | John T. Pitman,    | Providence,   | "     |
| 6 Benning Mann,         | Hartford,      | 200†   | C. A. Ingersoll,   | New Haven,    | "     |
| 7 Jacob Gould,          | Rochester,     | 200†   | — Conkling,        | Auburn,       | "     |
| 8 Ely Moore,            | New York,      | †      | James W. Metcalf,  | New York,     | "     |
| 9 Samuel McClurg,       | Trenton,       | 200†   | Edw. N. Dickerson, | Trenton,      | "     |
| 10 George M. Keim,      | Philadelphia,  | †      | Thomas S. Kane,    | Philadelphia, | "     |
| 11 John Keatly,         | Pittsburg,     | 200†   | E. J. Roberts,     | Pittsburg,    | "     |
| 12 Alexander Porter,    | Wilmington,    | 200†   | William Roberts,   | Wilmington,   | "     |
| 13 Moreau Forrest,      | Baltimore,     | †      | Thomas Spicer,     | Baltimore,    | "     |
| 14 Edmund Christian,    | Richmond,      | 200†   | Philip T. Mayo,    | Richmond,     | "     |
| 15 James Points,        | Staunton,      | 200†   | R. W. Moore,       | Clarksburg,   | "     |
| 16 Wesley Jones,        | Raleigh,       | 200†   | W. H. Haywood,     | Raleigh,      | "     |
| 17 Thomas D. Condy,     | Charleston,    | †      | H. Y. Gray,        | Charleston,   | "     |
| 18 Thomas M. Griffin,   | Fayetteville,  | †      | George Glenn,      | Savannah,     | "     |
| 19 Robert Myers,        | St. Augustine, | 200†   |                    | Tallahassee,  | "     |
| 20 Joseph B. Browne,    | Key West,      | 200†   |                    | Key West,     | "     |
| 21 James G. Lyon,       | Mobile,        | 200†   | John Fitch,        | Mobile,       | "     |
| 22 Benjamin Pateson,    | Huntsville,    | 200†   | B. T. Moore,       | Huntsville,   | "     |
| 23 Andrew A. Kincannon, | Columbus,      | 200†   | G. M. Ragsdale,    | Pontotoc,     | "     |
| 24 Thomas Fletcher,     | Jackson,       | 200†   | William Burns,     | Jackson,      | "     |
| 25 William F. Wagner,   | New Orleans,   | 200†   | N. R. Jennings,    | New Orleans,  | "     |
| 26 James H. Cocke,      | Galveston,     | 200†   | Thomas Bates,      | Galveston,    | "     |
| 27 R. J. Chester,       | Jackson,       | 200†   | James L. Talbot,   | Jackson,      | "     |
| 28 Jesse B. Clements,   | Nashville,     | 200†   | Jacob M'Gayock,    | Nashville,    | "     |
| 29 Arthur R. Crozier,   | Knoxville,     | 200†   | Jas. W. Campbell,  | Knoxville,    | "     |
| 30 John Lane,           | Shelbyville,   | 200†   | J. H. Hanna,       | Frankfort,    | "     |
| 31 Daniel A. Robertson, | Lancaster,     | 200†   | William Miner,     | Columbus,     | "     |
| 32 Abel C. Pepper,      | Lawrenceburg,  | 200†   | Horace Bassett,    | Corydon,      | "     |
| 33 S. H. Anderson,      | Mt. Vernon,    | 200†   | William Pope,      | Springfield,  | "     |
| 34 Robert C. Ewing,     | Richmond,      | 200†   | Joseph Gamble,     | St. Louis,    | "     |
| 35 A. E. Wing,          | Monroe,        | 200†   | John Winder,       | Detroit,      | "     |
| 36 Elias Rector,        | Van Buren,     | 200†   | William Field,     | Little Rock,  | "     |
| 37 Gid. S. Bailey,      | Bentonsport,   | 200†   | Z. S. Parvin,      | Bloomington,  | "     |
| 38 John S. Rockwell,    | Milwaukee,     | 200†   | Geo. S. West,      | Milwaukee,    | "     |

† And Fees.

: Fees, &amp;c.

## PLACES AND TIMES OF HOLDING THE DISTRICT COURTS.

- MAINE, . . . . . *Wiscasset*, 1st Tuesday in September ; — *Portland*, 1st Tuesday in February and December ; — *Bangor*, 4th Tuesday in June.
- NEW HAMPSHIRE, . . . *Portsmouth*, 3d Tuesday in March and September ; — *Exeter*, 3d Tuesday in June and December.
- VERMONT, . . . . . *Rutland*, 6th of October ; — *Windsor*, 24th of May.
- MASSACHUSETTS, . . . *Boston*, 3d Tuesday in March, 4th Tuesday in June, 2d Tuesday in September, and 1st Tuesday in December.
- RHODE ISLAND, . . . *Newport*, 2d Tuesday in May and 3d in October ; — *Providence*, 1st Tuesday in August and February.
- CONNECTICUT, . . . *New Haven*, 4th Tuesday in February and August ; — *Hartford*, 4th Tuesday in May and November.
- NEW YORK, S. Dist., *New York*, 1st Tuesday in each month.
- NEW YORK, N. Dist., *Albany*, 3d Tuesday in January ; — *Utica*, 2d Tuesday in July ; — *Rochester*, 3d Tuesday in May ; — *Auburn*, 3d Tuesday in August ; — *Buffalo*, 2d Tuesday in November ; — one term annually in the county of St. Lawrence, Clinton, or Franklin, at such time and place as the Judge may direct.
- NEW JERSEY, . . . *Trenton*, 3d Tuesday in January, April, May, June, September, and November.
- PENNSYLVANIA, E. Dist., *Philadelphia*, 3d Monday in February, May, August, and November.
- PENNSYLVANIA, W. Dist., *Pittsburg*, 1st Monday in May and October ; — *Williamsport*, 1st Monday in October.
- DELAWARE, . . . . . *Newcastle*, 3d Tuesday in June and 2d Tuesday in December ; — *Dover*, Tuesday next following the 3d Monday of March, and the Tuesday next following the 4th Monday of September.
- MARYLAND, . . . . . *Baltimore*, 1st Tuesday in March, June, September, and November.
- DIST. OF COLUMBIA, *Washington*, 1st Monday in June and December.
- VIRGINIA, E. Dist., . . *Richmond*, 12th of May and 12th of November ; — *Norfolk*, 30th of May and 1st of November.
- VIRGINIA, W. Dist., . . *Staunton*, 1st of May and 1st of October ; — *Wytheville*, Wednesday after 3d Monday in April and September ; — *Charleston*, Wednesday after 2d Monday in April and September ; — *Clarksburg*, last Monday in March and August ; — *Wheeling*, Wednesday after 1st Monday in April and September.
- NORTH CAROLINA, . . *Edenton*, 3d Monday in April and October ; — *Newbern*, 4th Monday in April and October ; *Wil-*

- mington*, 1st Monday after 4th Monday in April and October.
- SOUTH CAROLINA**, . *Charleston*, 3d Monday in March and September, 1st Monday in July, and 2d Monday in December; *Laurens Court-House*, the next Tuesday after the adjournment of the Circuit Court at Columbia.
- GEORGIA**, N. Dist., *Marietta*, 2d Monday in March and September.
- GEORGIA**, S. Dist., . *Savannah*, 2d Tuesday in February, May, August, and November.
- FLORIDA**, N. Dist., . *Tallahassee*, 1st Monday in January; — *Apalachicola*, 1st Monday in February; — *Pensacola*, 1st Monday in March; — *St. Augustine*, 1st Monday in April.
- FLORIDA**, S. Dist., . *Key West*, 1st Monday in May and November.
- ALABAMA**, N. Dist., *Huntsville*, 3d Monday in May and 4th Monday in November.
- ALABAMA**, Mid. Dist., *Montgomery*, 4th Monday in May and 1st Monday after the 4th Monday in November.
- ALABAMA**, S. Dist., *Mobile*, 1st Monday in May and 2d Monday in December.
- MISSISSIPPI**, N. Dist., *Pontotoc*, 1st Monday in June and December.
- MISSISSIPPI**, S. Dist., *Jackson*, 4th Monday in January and June.
- LOUISIANA**, . . . *New Orleans*, 2d Monday in December and 1st Monday in January.
- TEXAS**, . . . . *Galveston*, 1st Monday in February.
- TENNESSEE**, E. Dist., *Knoxville*, 3d Monday in April and October.
- TENNESSEE**, W. Dist., *Nashville*, 4th Monday in May and November; — *Jackson*, 2d Monday in October and April.
- KENTUCKY**, . . . *Frankfort*, 3d Monday in May and October.
- OHIO**, . . . . *Columbus*, 3d Monday in July and 2d Monday in November.
- MICHIGAN**, . . . *Detroit*, 3d Monday in June and 2d Monday in October.
- INDIANA**, . . . . *Indianapolis*, 3d Monday in May and 1st Monday in December.
- ILLINOIS**, . . . . *Springfield*, 1st Monday in June and last Monday in November; — *Chicago*, 1st Monday in July.
- MISSOURI**, . . . . *Jefferson City*, 1st Monday in March and September.
- ARKANSAS**, . . . *Little Rock*, 1st Monday in April and November.
- IOWA**, . . . . *Iowa City*, 1st Monday in January.
- WISCONSIN**, . . . *Milwaukee*, 1st Monday in January; — *Madison*, 1st Monday in July.

## III. ARMY LIST.

1. WINFIELD SCOTT, *Major-General* (commissioned June 25, 1841), *General-in-Chief*. Head-quarters at Washington.

|   |                                |
|---|--------------------------------|
| Zachary Taylor, <i>Major-General</i> ,                      | Commissioned<br>June 29, 1846. |
| *Edmund P. Gaines, <i>Brigadier-General</i> ,               | March 9, 1814.                 |
| *John E. Wool, "  | June 25, 1841.                 |
| *David E. Twiggs, "   | June 30, 1846.                 |
| *Stephen W. Kearny, "                                       | June 30, 1846.                 |
| †Roger Jones, <i>Adjutant-General</i> .                     |                                |
| *Thomas S. Jesup, <i>Quartermaster-General</i> .            |                                |
| †George Gibson, <i>Commissary-General</i> .                 |                                |
| Col. George Croghan, <i>Inspector-General of the Army</i> . |                                |
| †Col. S. Churchill, " "                                     |                                |
| Thomas Lawson, <i>Surgeon-General</i> .                     |                                |
| †Nathan Towson, <i>Paymaster-General</i> .                  |                                |

2. STAFF OFFICERS OF THE CORPS OF ENGINEERS, TOPOGRAPHICAL ENGINEERS, AND ORDNANCE, AND FIELD OFFICERS OF REGIMENTS.

*Engineers.*

†Col. Joseph G. Totten,  
 †Lieut.-Col. Sylvanus Thayer,  
 " R. E. De Russey,  
 †Major John L. Smith,  
 " William H. Chase,  
 " Richard Delafield,  
 " C. A. Ogden.

*Topographical Engineers.*

Col. John J. Abert,  
 Lieut.-Col. James Kearney,  
 §Major Stephen H. Long,  
 " Hartman Bache,  
 " James D. Graham,  
 § " William Turnbull.

*Ordnance Department.*

Col. George Talcott,  
 Lieut.-Col. Henry K. Craig,  
 Major Rufus L. Baker,  
 " James W. Ripley,

Major John Symington,  
 " William H. Bell.

*First Dragoons.*

Col. Richard B. Mason,  
 †Lieut.-Col. E. V. Sumner,  
 Major Benjamin L. Beall,  
 " Nathan Boone.

*Second Dragoons.*

†Col. William S. Harney,  
 Lieut.-Col. T. T. Fauntleroy,  
 Major Philip St. G. Cooke,  
 " Marshall S. Howe.

*Mounted Riflemen.*

\*Col. Persifor F. Smith,  
 †Lieut.-Col. W. W. Loring,  
 Major W. F. Sanderson,  
 " G. B. Crittenden.

*First Artillery.*

Col. I. B. Crane,

\* Maj.-Gen. by brevet. † Brig.-Gen. by brevet. ‡ Col. by brevet. § Lieut.-Col. by brevet.

Lieut.-Col. B. K. Pierce,  
Major L. Whiting,  
† " Thomas Childs.

*Second Artillery.*

† Col. James Bankhead,  
Lieut.-Col. John Erving,  
‡ Major John Munroe,  
§ " P. H. Galt.

*Third Artillery.*

Col. William Gates,  
‡ Lieut.-Col. F. S. Belton,  
Major W. L. McClintock,  
§ " John M. Washington.

*Fourth Artillery.*

Col. J. B. Walbach,  
‡ Lieut.-Col. M. M. Payne,  
‡ Major John L. Gardner,  
" Giles Porter.

*First Infantry.*

Col. W. Davenport,  
‡ Lieut.-Col. H. Wilson,  
Major Edgar S. Hawkins,  
§ " Thompson Morris.

*Second Infantry.*

† Col. Hugh Brady,  
† Lieut.-Col. B. Riley,  
§ Major Washington Seawell,  
" Albert S. Miller.

*Third Infantry.*

Col. J. B. Many,

‡ Lieut.-Col. E. A. Hitchcock,  
Major William R. Jouett,  
§ " G. A. McCall.

*Fourth Infantry.*

Col. William Whistler,  
† Lieut.-Col. John Garland,  
§ Major Francis Lee,  
‡ " George Wright.

*Fifth Infantry.*

† Col. G. M. Brooke,  
† Lieut.-Col. W. G. Belknap,  
§ Major Dixon S. Miles,  
§ " J. J. Abercrombie.

*Sixth Infantry.*

† Col. Newman S. Clarke,  
Lieut.-Col. G. Loomis,  
§ Major B. L. E. Bonneville,  
" Thomas P. Gwynne.

*Seventh Infantry.*

† Col. M. Arbuckle,  
‡ Lieut.-Col. Joseph Plympton,  
Major Thomas Noel,  
§ " Henry Bainbridge.

*Eighth Infantry.*

\* Col. W. J. Worth,  
Lieut.-Col. Thomas Staniford,  
‡ Major Carlos A. Waite,  
§ " P. Morrison.

### 3. MILITARY GEOGRAPHICAL DIVISIONS.||

The *Western Division*, composed of the 1st, 2d, and 3d Military Departments, is situated within the following limits:—The country west of a line drawn from Fond du Lac, Lake Superior, to Cape Sable, Florida, and embracing the part of Wisconsin west of said line; the States of Iowa, Illinois, Missouri, Kentucky, Tennessee, Arkansas, Louisiana, Mississippi, and Alabama; the part of Florida west of said line; and the Indian country west of the Mississippi River.

\* Maj.-Gen. by brevet. † Brig.-Gen. by brevet. ‡ Col. by brevet. § Lieut.-Col. by brevet.

|| These Divisions and Departments are taken from the Army Register for 1848. It is said, that an alteration is intended, but none had been published on the 1st of September, 1848. If there are any changes, they will be found in the *Additions and Corrections* at the end of the volume.

The *Eastern Division*, composed of the 5th, 6th, 7th, and 8th Military Departments, comprises the following States :— Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania, Delaware, Maryland, Virginia, North Carolina, South Carolina, and Georgia ; and the portion of Florida east of the line from Fond du Lac to Cape Sable.

The Head-quarters of the army are at Washington.

The Head-quarters of the *Eastern Division* are in the city of New York.

The Head-quarters of the *Western Division* are at New Orleans, La.

#### *Military Geographical Departments.*

No. 1. The portion of Florida within the *Western Division*, Alabama, Mississippi, Louisiana, Tennessee, and Kentucky. (Command suspended.)

No. 2. The country west of the Mississippi River, north of Louisiana and Texas, and south of the 37th degree of north latitude. Head-quarters, Fort Smith, Ark.

No. 3. The State of Missouri above the 37th degree of north latitude, Illinois, Iowa, Wisconsin west of the line from Fond du Lac to Cape Sable ; and the frontier country north and west of the lines indicated. Head-quarters, Jefferson Barracks, Missouri.

No. 4. Indiana, Ohio, Michigan, and Wisconsin east of the line from Fond du Lac to Cape Sable. Head-quarters, Detroit, Mich.

No. 5. Vermont, Rhode Island, Connecticut, New York, New Jersey, and Pennsylvania. Head-quarters, city of New York.

No. 6. Maine, New Hampshire, and Massachusetts. (Command suspended.)

No. 7. Delaware, Maryland, and Virginia. Head-quarters, Fort Monroe, Virginia.

No. 8. North Carolina, South Carolina, Georgia, and the portion of Florida within the *Eastern Division*. (Command suspended.)

#### 4. ARSENALS.

| Posts.          | State or Territory. | Post-Office.  | Permanent Commanders.    | Regiment and Corps. |
|-----------------|---------------------|---------------|--------------------------|---------------------|
| Kennebeck,      | Maine,              | Augusta.      |                          |                     |
| Watertown,      | Massachusetts,      | Watertown.    |                          |                     |
| Champlain,      | Vermont,            | Vergennes.    |                          |                     |
| Watervliet,     | New York,           | Watervliet,   | Maj. R. L. Baker,        | Ordnance.           |
| Rome,           | "                   | Rome.         |                          |                     |
| Alleghany,      | Pennsylvania,       | Pittsburg,    | Bvt. Lt.-Col. Craig,     | Ordnance.           |
| Frankford,      | "                   | Frankford,    | Lt. A. H. Dearborn,      | Ordnance.           |
| Pikesville,     | Maryland,           | Pikesville.   |                          |                     |
| Washington,     | Dist. of Columbia,  | Washington,   | Capt. J. F. Lee,         | Ordnance.           |
| Bellona,        | Virginia,           | Bellona,      | Not occupied.            |                     |
| St. Louis,      | Missouri,           | St. Louis,    | Capt. W. H. Bell,        | Ordnance.           |
| Baton Rouge,    | Louisiana,          | Baton Rouge,  | Capt. R. H. K. Whiteley, | Ordnance.           |
| Mount Vernon,   | Alabama,            | Mount Vernon, | Capt. J. M. Morgan,      | Ordnance.           |
| Detroit,        | Michigan,           | Dearbonville. |                          |                     |
| North Carolina, | North Carolina,     | Fayetteville, |                          |                     |
| Apalachicola,   | Florida,            | Chatahooches. | Capt. J. A. J. Bradford, | Ordnance.           |
| Little Rock,    | Arkansas,           | Little Rock.  |                          |                     |



## 5. MILITARY POSTS.

| Posts.                   | State or Territory. | Post-Office.        | Permanent Commanders. | Regiment and Corps. |
|--------------------------|---------------------|---------------------|-----------------------|---------------------|
| <b>WESTERN DIVISION.</b> |                     |                     |                       |                     |
| <i>Department No. 1.</i> |                     |                     |                       |                     |
| Key West,                | Florida,            | Key West,           | Garrison temp'rily    | withdrawn.          |
| Fort Brooke,             | "                   | Tampa Bay,          | Capt. Sprague, 8 inf. | Florida vols.       |
| Fort Pickens, }          | "                   | Pensacola,          | Garrison temp'rily    | withdrawn.          |
| Fort McRea, }            | Alabama,            | Mobile,             | " "                   | "                   |
| Fort Morgan,             | Louisiana,          | Fort Pike,          | " "                   | "                   |
| Fort Pike,               | "                   | New Orleans,        | " "                   | "                   |
| Fort Wood,               | "                   | "                   | Not garrisoned.       |                     |
| Fort Jackson,            | "                   | "                   | Maj. W. R. Jouett,    | 1st infantry.       |
| N. Orleans Barracks,     | "                   | "                   | Garrison temp'rily    | withdrawn.          |
| Baton Rouge "            | "                   | Baton Rouge,        | Capt. Macrae,         | 3d infantry.        |
| Newport "                | Kentucky,           | Newport,            |                       |                     |
| <i>Department No. 2.</i> |                     |                     |                       |                     |
| Fort Towson,             | Arkansas Ter.       | Fort Towson,        | 1st Lt. Foote,        | 6th infantry.       |
| Fort Washita,            | "                   | "                   | B't Maj. G. Andrews,  | 6th infantry.       |
| Fort Smith,              | "                   | Fort Smith,         | 1st Lt. Flint,        | 6th infantry.       |
| Fort Gibson,             | "                   | Fort Gibson,        | Maj. Bonneville,      | 6th infantry.       |
| <i>Department No. 3.</i> |                     |                     |                       |                     |
| Fort Scott,              | Missouri Ter.       | Fort Scott,         | Capt. S. Burbank,     | 1st infantry.       |
| Fort Leavenworth,        | "                   | Fort Leavenworth,   | Lt.-Col. C. Wharton,  | 1st dragoons.       |
| Jefferson Barracks,      | Missouri,           | Jefferson Barracks, | Recruiting Depot.     |                     |
| Fort Atkinson,           | Iowa,               | Prairie du Chien,   | Capt. J. M. Morgan,   | Iowa vols.          |
| Fort Crawford,           | Wisconsin,          | "                   | Capt. W. Knowlton,    | Wiscon. vols.       |
| Fort Snelling,           | Iowa,               | Fort Snelling,      | Capt. S. Eastman,     | 1st infantry.       |
| <i>Department No. 4.</i> |                     |                     |                       |                     |
| Fort Wilkins,            | Michigan,           | Green Bay,          | Garrison temp'rily    | withdrawn.          |
| Fort Brady,              | "                   | Sault St. Marie,    | " "                   | "                   |
| Fort Mackinac,           | "                   | Mackinac,           | Capt. M. L. Gage,     | Mich. vols.         |
| Fort Gratiot,            | "                   | Fort Gratiot,       | Garrison temp'rily    | withdrawn.          |
| Detroit Barracks,        | "                   | Detroit,            | " "                   | "                   |
| <b>EASTERN DIVISION.</b> |                     |                     |                       |                     |
| <i>Department No. 5.</i> |                     |                     |                       |                     |
| Fort Niagara,            | New York,           | Youngstown,         | Garrison temp'rily    | withdrawn.          |
| Fort Ontario,            | "                   | Oswego,             | " "                   | "                   |
| Madison Barracks,        | "                   | Sacket's Harbour,   | " "                   | "                   |
| Plattsburg Barracks,     | "                   | Plattsburg,         | " "                   | "                   |
| Fort Adams, }            | Rhode Island,       | Newport,            | " "                   | "                   |
| Fort Wolcott, }          | Connecticut,        | New London,         | " "                   | "                   |
| Fort Trumbull,           | New York,           | West Point,         | Capt. H. Brewerton,   | Engineers.          |
| West Point,              | "                   | New York,           | Bvt. Maj. Rains,      | 7th infantry.       |
| Fort Columbus, }         | New York har-       | Fort Hamilton,      | Garrison temp'rily    | withdrawn.          |
| Fort Hamilton, }         | bour, N. Y.         | "                   | " "                   | "                   |
| Fort Lafayette, }        | Pennsylvania,       | Philadelphia,       | " "                   | "                   |
| Fort Mifflin,            | "                   | Carlisle,           | Bvt. Lt.-Col. May,    | 2d dragoons.        |
| Carlisle Barracks,       |                     |                     |                       |                     |
| <i>Department No. 6.</i> |                     |                     |                       |                     |
| Fort Sullivan,           | Maine,              | Eastport,           | Garrison temp'rily    | withdrawn.          |
| Fort Preble,             | "                   | Portland,           | " "                   | "                   |
| Fort Constitution,       | N. Hampshire,       | Portsmouth,         | " "                   | "                   |
| Fort Independence,       | Massachusetts,      | Boston,             | Not garrisoned.       |                     |
| <i>Department No. 7.</i> |                     |                     |                       |                     |
| Fort McHenry,            | Maryland,           | Baltimore,          | Capt. H. Swartwout,   | 2d artillery.       |
| Fort Washington,         | "                   | Fort Washington,    | Not garrisoned.       |                     |
| Fort Monroe,             | Virginia,           | Old Point Comfort,  | Col. J. B. Walbach,   | 4th artillery.      |
| <i>Department No. 8.</i> |                     |                     |                       |                     |
| Fort Johnson, }          | North Carolina,     | Smithville,         | Garrison temp'rily    | withdrawn.          |
| Fort Caswell, }          | "                   | Beaufort,           | " "                   | "                   |
| Fort Macon,              | "                   | Charleston,         | Recruiting Depot.     |                     |
| Fort Moultrie, }         | Charleston har-     | Charleston,         | Garrison temp'rily    | withdrawn.          |
| Castle Pinckney, }       | bour, S. C.         | Augusta,            | " "                   | "                   |
| Augusta Arsenal,         | Georgia,            | Savannah,           | " "                   | "                   |
| Oglethorpe Barracks,     | "                   | St. Augustine,      | " "                   | "                   |
| Fort Marion,             | Florida,            |                     |                       |                     |

6. TABLE OF PAY, SUBSISTENCE, FORAGE, ETC., OF ARMY OFFICERS.

| Rank and Classification of Officers.                     | PAY.<br>Per Month. | SUBSISTENCE.<br>20 cents for each ration. |                            | FORAGE.<br>\$3 per mo. for each horse. |                            | SERVANTS.<br>Pay, &c. of a Private. |                            | Total Monthly Pay. |
|--|--------------------|---|----------------------------|--|----------------------------|-------------------------------------|----------------------------|--------------------|
|  |                    | No. of Rations.                           | Monthly Commutation Value. | No. of Horses.                         | Monthly Commutation Value. | No. of Servants.                    | Monthly Commutation Value. |                    |
| Major-General,   | \$200.00           | 15  | \$90                       | 3                                      | \$24                       | 4                                   | \$62.00                    | \$376.00           |
| Aid-de-camp, besides pay of Lieutenant,                  | 24.00              | 1   | 6                          | 1                                      | 8                          |                                     |                            | 38.00              |
| Brigadier-General,                                       | 104.00             | 12  | 73                         | 3                                      | 24                         | 3                                   | 46.50                      | 246.50             |
| Aid-de-camp, besides pay of Lieutenant,                  | 20.00              |   |                            | 1                                      | 8                          |                                     |                            | 28.50              |
| Adjutant-General, — Colonel,                             | 90.00              | 6   | 36                         | 3                                      | 24                         | 2                                   | 33.00                      | 183.00             |
| Assistant Adj.-General, — Lieut.-Colonel,                | 75.00              | 5   | 30                         | 3                                      | 24                         | 2                                   | 33.00                      | 162.00             |
| Assistant Adj.-General, — Major,                         | 60.00              | 4   | 24                         | 3                                      | 24                         | 2                                   | 33.00                      | 141.00             |
| Assistant Adj.-General, — Captain,                       | 50.00              | 4   | 24                         | 1                                      | 8                          | 1                                   | 16.50                      | 98.50              |
| Inspector-General, — Colonel,                            | 90.00              | 6   | 36                         | 3                                      | 24                         | 2                                   | 33.00                      | 183.00             |
| Quartermaster-General, — Brigadier-Gen.,                 | 104.00             | 12  | 72                         | 3                                      | 24                         | 3                                   | 46.50                      | 246.50             |
| Assistant Quartermaster-Gen., — Colonel,                 | 90.00              | 6   | 36                         | 3                                      | 24                         | 2                                   | 33.00                      | 183.00             |
| Deputy Quartermaster-Gen., — Lieut.-Col.,                | 75.00              | 5   | 30                         | 3                                      | 24                         | 2                                   | 33.00                      | 162.00             |
| Quartermaster, — Major,                                  | 60.00              | 4   | 24                         | 3                                      | 24                         | 2                                   | 33.00                      | 141.00             |
| Assistant Quartermaster, — Captain,                      | 50.00              | 4   | 24                         | 1                                      | 8                          | 1                                   | 16.50                      | 98.50              |
| Commissary-Gen. of Subsistence, — Col.,                  | 90.00              | 6   | 36                         | 3                                      | 24                         | 2                                   | 33.00                      | 183.00             |
| Assistant Commissary-Gen., — Lieut.-Col.,                | 75.00              | 5   | 30                         | 3                                      | 24                         | 2                                   | 33.00                      | 162.00             |
| Commissary of Subsistence, — Major,                      | 60.00              | 4   | 24                         | 3                                      | 24                         | 2                                   | 33.00                      | 141.00             |
| Assistant Commis'y, besides pay of Lieut.,               | 50.00              | 4   | 24                         | 1                                      | 8                          | 1                                   | 16.50                      | 98.50              |
| Paymaster-General, \$2,500 per annum,                    | 20.00              |   |                            |  |                            |                                     |                            | 20.00              |
| Deputy Paymaster-General,                                | 75.00              | 5   | 30                         | 3                                      | 24                         | 2                                   | 33.00                      | 208.33             |
| Paymaster,   | 60.00              | 4   | 24                         | 1                                      | 8                          | 2                                   | 33.00                      | 125.00             |
| Surgeon-General, \$2,500 per annum,                      |                    |   |                            |  |                            |                                     |                            | 208.33             |
| Surgeons of 10 years' service,                           | 60.00              | 8   | 48                         | 1                                      | 8                          | 2                                   | 33.00                      | 149.00             |
| Surgeons of less than 10 years' service,                 | 60.00              | 4   | 24                         | 1                                      | 8                          | 2                                   | 33.00                      | 125.00             |
| Assistant Surgeons of 10 years' service,                 | 50.00              | 8   | 48                         | 1                                      | 8                          | 1                                   | 16.50                      | 122.50             |
| Assistant Surgeons of 5 years' service,                  | 50.00              | 4   | 24                         | 1                                      | 8                          | 1                                   | 16.50                      | 98.50              |
| Assistant Surg. of less than 5 years' serv.,             | 33.33              | 4   | 24                         | 1                                      | 8                          | 1                                   | 16.50                      | 81.83              |
| ENGINEERS, — TOPOG. ENGINEERS, —<br>ORDNANCE DEPARTMENT. |                    |   |                            |  |                            |                                     |                            |                    |
| Colonel,   | 90.00              | 6   | 36                         | 3                                      | 24                         | 2                                   | 33.00                      | 183.00             |
| Lieutenant-Colonel,                                      | 75.00              | 5   | 30                         | 3                                      | 24                         | 2                                   | 33.00                      | 162.00             |
| Major,   | 60.00              | 4   | 24                         | 3                                      | 24                         | 2                                   | 33.00                      | 141.00             |
| Captain,   | 50.00              | 4   | 24                         | 1                                      | 8                          | 1                                   | 16.50                      | 98.50              |
| First Lieutenant,  | 33.33              | 4   | 24                         | 1                                      | 8                          | 1                                   | 16.50                      | 81.83              |
| Second Lieutenant,                                       | 33.33              | 4   | 24                         | 1                                      | 8                          | 1                                   | 16.50                      | 81.83              |
| MOUNTED DRAGOONS AND RIFLEMEN.                           |                    |   |                            |  |                            |                                     |                            |                    |
| Colonel,   | 90.00              | 6   | 36                         | 3                                      | 24                         | 2                                   | 33.00                      | 183.00             |
| Lieutenant-Colonel,                                      | 75.00              | 5   | 30                         | 3                                      | 24                         | 2                                   | 33.00                      | 162.00             |
| Major,   | 60.00              | 4   | 24                         | 3                                      | 24                         | 2                                   | 33.00                      | 141.00             |
| Captain,   | 50.00              | 4   | 24                         | 2                                      | 16                         | 1                                   | 16.50                      | 106.50             |
| First Lieutenant,  | 33.33              | 4   | 24                         | 2                                      | 16                         | 1                                   | 16.50                      | 89.83              |
| Second Lieutenant,                                       | 33.33              | 4   | 24                         | 2                                      | 16                         | 1                                   | 16.50                      | 89.83              |
| Adjutant, besides pay of Lieutenant,                     | 10.00              |   |                            |  |                            |                                     |                            | 10.00              |
| ARTILLERY, — INFANTRY.                                   |                    |   |                            |  |                            |                                     |                            |                    |
| Colonel,   | 75.00              | 6   | 36                         | 3                                      | 24                         | 2                                   | 31.00                      | 166.00             |
| Lieutenant-Colonel,                                      | 60.00              | 5   | 30                         | 3                                      | 24                         | 2                                   | 31.00                      | 145.00             |
| Major,   | 50.00              | 4   | 24                         | 3                                      | 24                         | 2                                   | 31.00                      | 129.00             |
| Captain,   | 40.00              | 4   | 24                         |  |                            | 1                                   | 15.50                      | 79.50              |
| First Lieutenant,  | 30.00              | 4   | 24                         |  |                            | 1                                   | 15.50                      | 69.50              |
| Second Lieutenant,                                       | 25.00              | 4   | 24                         |  |                            | 1                                   | 15.50                      | 64.50              |
| Adj. and Reg. Q'm'r, besides pay of Lieut.               | 10.00              |   |                            | 1                                      | 8                          |                                     |                            | 18.00              |

## 7. MILITIA FORCE OF THE UNITED STATES.

*Abstract of the United States Militia, from the Army Register for 1848.*

| States and Territories. | For what year. | General Officers. | General Staff Officers. | Field Officers, &c. | Company Officers. | Total Commissioned Officers. | Non-commissioned Officers, Musicians, Privates, &c. | Aggregate. |
|-------------------------|----------------|-------------------|-------------------------|---------------------|-------------------|------------------------------|---|------------|
| Maine,                  | 1845           | 26                | 95                      | 540                 | 1,659             | 2,320                        | 42,345  | 44,665     |
| N. Hampshire,           | 1847           | 12                | 40                      | 325                 | 1,224             | 1,601                        | 25,465  | 27,066     |
| Massachusetts,          | 1847           | 9                 | 35                      | 74                  | 380               | 498                          | 94,157  | 94,655     |
| Vermont,                | 1843           | 12                | 51                      | 224                 | 801               | 1,088                        | 22,827  | 23,915     |
| Rhode Island,           | 1847           | 6                 | 21                      | 42                  | 9                 | 78                           | 14,068  | 14,146     |
| Connecticut,            | 1846           | 11                | 38                      | 292                 | 963               | 1,324                        | 56,395  | 57,719     |
| New York,               | 1847           | 136               | 366                     | 2,505               | 6,465             | 9,472                        | 158,172   | 167,644    |
| New Jersey,             | 1829           | 19                | 58                      | 435                 | 1,476             | 1,968                        | 37,183  | 39,171     |
| Pennsylvania,           | 1847           | 55                | 164                     | 1,245               | 6,054             | 7,518                        | 268,552   | 276,070    |
| Delaware,               | 1827           | 4                 | 8                       | 71                  | 364               | 447                          | 8,782   | 9,229      |
| Maryland,               | 1838           | 22                | 68                      | 544                 | 1,763             | 2,397                        | 44,467  | 46,864     |
| Virginia,               | 1847           | 28                | 62                      | 1,351               | 5,395             | 6,836                        | 115,155   | 121,991    |
| N. Carolina,            | 1845           | 28                | 133                     | 657                 | 3,449             | 4,267                        | 75,181  | 79,448     |
| S. Carolina,            | 1846           | 19                | 101                     | 452                 | 2,026             | 2,598                        | 52,107  | 54,705     |
| Georgia,                | 1839           | 36                | 96                      | 746                 | 2,212             | 3,092                        | 54,220  | 57,312     |
| Alabama,                | 1847           | 31                | 187                     | 564                 | 1,382             | 2,164                        | 42,168  | 44,332     |
| Louisiana,              | 1847           | 10                | 55                      | 159                 | 1,168             | 1,392                        | 42,431  | 43,823     |
| Mississippi,            | 1838           | 15                | 70                      | 392                 | 348               | 826                          | 35,259  | 36,064     |
| Tennessee,              | 1840           | 25                | 79                      | 859                 | 2,644             | 3,607                        | 67,645  | 71,252     |
| Kentucky,               | 1847           | 48                | 125                     | 1,112               | 3,518             | 4,803                        | 83,539  | 88,342     |
| Ohio,                   | 1845           | 91                | 217                     | 462                 | 1,281             | 2,051                        | 174,404   | 176,455    |
| Indiana,                | 1832           | 31                | 110                     | 566                 | 2,154             | 2,861                        | 51,052  | 53,913     |
| Illinois,               | 1841           |                   |                         |                     |                   |                              |   | 83,234     |
| Missouri,               | 1844           | 45                | 94                      | 790                 | 2,990             | 3,919                        | 57,061  | 61,000     |
| Arkansas,               | 1843           | 8                 | 29                      | 310                 | 762               | 1,109                        | 16,028  | 17,137     |
| Michigan,               | 1847           | 26                | 121                     | 336                 | 2,110             | 2,593                        | 57,413  | 60,006     |
| Florida,                | 1845           | 3                 | 14                      | 95                  | 508               | 620                          | 11,502  | 12,122     |
| Texas,                  | 1847           | 15                | 45                      | 248                 | 940               | 1,248                        | 18,518  | 19,766     |
| Iowa,                   |                |                   |                         |                     |                   |                              |   |            |
| Wisconsin T.,           | 1840           | 1                 | 6                       | 36                  | 126               | 169                          | 5,054   | 5,223      |
| D. of Columbia,         | 1832           | 1                 | 3                       | 24                  | 68                | 96                           | 1,153   | 1,249      |
| Total,                  |                | 773               | 2,493                   | 15,456              | 54,259            | 72,981                       | 1,732,323   | 1,808,538  |

By a communication from the Secretary of War to Congress, it appears that the total number of soldiers in the army, after the discharge of those enlisted for the war, is 8,866.

The "Ten Regiments" raised under the act of February 11, 1847, to serve during the war, were disbanded upon the conclusion of the treaty of peace with Mexico.

## IV. NAVY LIST.

## 1. COMMANDERS OF SQUADRONS.

|                    |            |                  |
|--------------------|------------|------------------|
| Matthew C. Perry,  | Commodore, | Home Squadron.   |
| George W. Storer,  | "          | Coast of Brazil. |
| T. Ap C. Jones,    | "          | Pacific Ocean.   |
| George C. Read,    | "          | Mediterranean.   |
| William C. Bolton, | "          | Coast of Africa. |

## 2. COMMANDERS OF NAVY YARDS.

|                    |               |                    |             |
|--------------------|---------------|--------------------|-------------|
| Daniel Turner,     | Portsmouth.   | Chas. S. McCauley, | Washington. |
| Foxhall A. Parker, | Boston.       | John D. Sloat,     | Norfolk.    |
| Isaac McKeever,    | New York.     | Wm. K. Latimer,    | Pensacola.  |
| Charles Stewart,   | Philadelphia. | G. J. Pendergrast, | Memphis.    |

## 3. NAVAL ASYLUM.

|              |           |               |
|--------------|-----------|---------------|
| Jacob Jones, | Governor, | Philadelphia. |
|--------------|-----------|---------------|

## 4. NAVAL SCHOOL.

|                   |                 |                |
|-------------------|-----------------|----------------|
| George P. Upshur, | Superintendent, | Annapolis, Md. |
|-------------------|-----------------|----------------|

## 5. OFFICERS OF THE NAVY.

*Captains. — 67.*

|                    |                    |                      |                    |
|--------------------|--------------------|----------------------|--------------------|
| James Barron.      | F. A. Parker.      | Isaac McKeever.      | Joseph Smoot.      |
| Charles Stewart.   | E. R. McCall.      | J. P. Zantlinger.    | Samuel L. Broese.  |
| Jacob Jones.       | Daniel Turner.     | Wm. D. Salter.       | Benjamin Page.     |
| Charles Morris.    | David Conner.      | Ch. S. McCauley.     | John Gwinn.        |
| L. Warrington.     | William M. Hunter. | T. M. Newell.        | Thomas W. Wyman.   |
| James Biddle.      | John D. Sloat.     | E. A. F. Lavellette. | Andrew Fitzhugh.   |
| John Downes.       | Matthew C. Perry.  | T. T. Webb.          | W. K. Latimer.     |
| Stephen Cassin.    | C. W. Skinner.     | John Percival.       | Hiram Paulding.    |
| A. S. Wadsworth.   | John T. Newton.    | John H. Aulick.      | Uriah P. Levy.     |
| George C. Read.    | Joseph Smith.      | W. V. Taylor.        | Charles Boardman.  |
| H. E. Ballard.     | L. Rousseau.       | Bladen Dulany.       | French Forrest.    |
| Jesse Wilkinson.   | George W. Storer.  | S. H. Stringham.     | Wm. Jamesson.      |
| T. Ap C. Jones.    | F. H. Gregory.     | Isaac Mayo.          | Charles Gauntt.    |
| William C. Bolton. | P. F. Voorhees.    | William Mervine.     | William Ramsay.    |
| W. B. Shubrick.    | Benjamin Cooper.   | Thomas Crabbe.       | Henry Henry.       |
| C. W. Morgan.      | David Geisinger.   | Thomas Paine.        | Samuel W. Downing. |
| L. Kearny.         | R. F. Stockton.    | James Armstrong.     |                    |

*Commanders. — 97.*

|                       |                       |                      |                      |
|-----------------------|-----------------------|----------------------|----------------------|
| Henry W. Ogden.       | Wm. M. Armstrong.     | Thomas R. Gedney.    | Samuel F. Du Pont.   |
| Thomas A. Conover.    | William F. Shields.   | John Bubber.         | William L. Hudson.   |
| John C. Long.         | G. J. Pendergrast.    | Victor M. Randolph.  | George A. Magruder.  |
| John H. Graham.       | William C. Nicholson. | Jacob Crowninshield. | John Pope.           |
| James M. McIntosh.    | James B. Cooper.      | Frederick Engle.     | Levin M. Powell.     |
| Josiah Tattnall.      | Ed. W. Carpender.     | John Rudd.           | Charles Wilkes.      |
| Hugh N. Page.         | John L. Saunders.     | Robert Ritchie.      | Elisha Peck.         |
| William Inman.        | Joseph B. Hull.       | William W. McKean.   | Thomas J. Manning.   |
| Stephen Champlin.     | John Stone Paine.     | Franklin Buchanan.   | William Pearson.     |
| Joel Abbot.           | Joseph Moorhead.      | Samuel Mercer.       | William L. Howard.   |
| Lewis E. Simonds.     | Thomas Petigru.       | Charles Lowndes.     | Thomas J. Leib.      |
| John M. Dale.         | John S. Chauncey.     | L. M. Goldsborough.  | Thomas O. Selfridge. |
| Harrison H. Cocke.    | Irvine Shubrick.      | George N. Hollins.   | Henry Eagle.         |
| William J. McCluney.  | John Kelly.           | Duncan N. Ingraham.  | Andrew K. Long.      |
| John B. Montgomery.   | Edmund Byrne.         | John Marston.        | G. P. Van Brunt.     |
| Horace B. Sawyer.     | William H. Gardner.   | Henry Bruce.         | William M. Glendy.   |
| Cornel. K. Stribling. | David G. Farragut.    | Henry A. Adams.      | George P. Upshur.    |
| Joshua R. Sands.      | Richard S. Pinckney.  | James D. Knight.     | George S. Blake.     |
| John J. Young.        | Stephen B. Wilson.    | Joseph Mattison.     | Z. F. Johnston.      |
| Charles H. Bell.      | Edward C. Rutledge.   | William S. Walker.   | William Green.       |
| Abraham Bigelow.      | T. Aloysius Dornin.   | Alex. S. Mackenzie.  | Samuel Barron.       |
| Frederick Varnum.     | Rob. B. Cunningham.   | George F. Pearson.   | Alex. G. Gordon.     |
| Joseph R. Jarvis.     | James Glynn.          | James T. Gerry.      | A. G. Slaughter.     |
| Samuel W. LeCompte.   | Joseph Myers.         | John S. Nicholas.    | Oscar Bullus.        |
| Charles T. Platt.     |                       |                      |                      |

6. PAY OF THE NAVY, *per annum*.

|                                    | Pay.    |  | Pay.    |
|------------------------------------|---------|--|---------|
| CAPTAINS, 67 senior, in service,   | \$4,500 | SURGEONS, 20 years and upwards,                |         |
| “ “ on leave,                      | 3,500   | “ at navy yards, &c.,                          | \$2,250 |
| Captains of Squadrons,             | 4,000   | “ in sea service,                              | 2,400   |
| “ “ on other duty,                 | 3,500   | “ of the fleet,                                | 2,700   |
| “ “ off duty,                      | 2,500   | PASSED ASSISTANT SURGEONS, 41.                 |         |
| COMMANDERS, 97, in sea service,    | 2,500   | ASSISTANT SURGEONS, 37, waiting                |         |
| “ at navy yards, or on             |         | orders,  | 650     |
| other duty,                        | 2,100   | “ at sea,                                      | 950     |
| “ on leave, &c.,                   | 1,800   | “ after passing, &c.,                          | 850     |
| LIEUTENANTS, 327, commanding,      | 1,800   | “ at sea after passing,                        | 1,200   |
| “ on other duty,                   | 1,500   | “ at navy yards,                               | 950     |
| “ waiting orders,                  | 1,200   | “ “ after passing, 1,150                       |         |
| SURGEONS, 68, 1st 5 years in com., | 1,000   | PURSEKERS, 64.                                 |         |
| “ in navy yards, &c.,              | 1,250   | CHAPLAINS, 24, in sea service,                 | 1,200   |
| “ in sea service,                  | 1,333   | “ on leave, &c.,                               | 800     |
| “ of the fleet,                    | 1,500   | PASSED MIDSHIPMEN, 208, on duty,               | 750     |
| “ 2d 5 years,                      | 1,200   | “ “ waiting orders,                            | 600     |
| “ at navy yards, &c.,              | 1,500   | MIDSHIPMEN, 228, in sea service,               | 400     |
| “ in sea service,                  | 1,600   | “ on other duty,                               | 350     |
| “ of the fleet,                    | 1,800   | “ on leave, &c.,                               | 300     |
| “ 3d 5 years,                      | 1,400   | MASTERS, 21, of ship of the line at sea, 1,100 |         |
| “ at navy yards, &c.,              | 1,750   | “ on other duty,                               | 1,000   |
| “ in sea service,                  | 1,866   | “ on leave, &c.,                               | 750     |
| “ of the fleet,                    | 2,100   | PROFESSORS of Mathematics, 21,                 | 1,200   |
| “ 4th 5 years,                     | 1,600   | TEACHERS at naval schools, &c., 3,             | 480     |
| “ at navy yards, &c.,              | 2,000   | BOATSWAINS, 38 } of a ship of the line, 750    |         |
| “ in sea service,                  | 2,133   | GUNNERS, 44 } of a frigate, 600                |         |
| “ of the fleet,                    | 2,400   | CARPENTERS, 40 } on other duty, 500            |         |
| “ 20 years and upwards,            |         | SAILMAKERS, 29 } on leave, &c., 360            |         |
| “ waiting orders,                  | 1,800   |  |         |

NOTE. One ration per day only is allowed to all officers when attached to vessels for sea service, since the passage of the law of the 3d of March, 1835, regulating the pay of the navy. Teachers receive two rations per day, at 20 cents each.

## 7. VESSELS OF WAR OF THE UNITED STATES NAVY. — August, 1848.

(The names of officers marked thus (\*) have the rank of *Commanders*; thus (†), *Lieutenants*; the rest are *Captains*.)

| Name and Rate.                  | Where and when built. | Commanded by      | Where employed.      |
|---------------------------------|-----------------------|-------------------|----------------------|
| <i>Ships of the Line.</i> 11.   |                       |                   |                      |
| Guns.                           |                       |                   |                      |
| Pennsylvania, 120               | Philadelphia, 1837    | *Hugh N. Page,    | Rec'g ship, Norfolk. |
| Franklin, 74                    | “ 1815                | *Joel Abbot,      | Boston.              |
| Columbus, 74                    | Washington, 1819      | “ “               | Norfolk.             |
| Ohio, 74                        | New York, 1820        | Wm. V. Taylor,    | Pacific Ocean.       |
| North Carolina, 74              | Philadelphia, 1820    | *Joshua R. Sands, | Rec'g ship, N. York. |
| Delaware, 74                    | Gosport, Va., 1820    | “ “               | Norfolk.             |
| Alabama, 74                     | “ “                   | “ “               | On stocks, Ports'th. |
| Vermont, 74                     | Boston, 1848          | “ “               | Boston.              |
| Virginia, 74                    | “ “                   | “ “               | On stocks, Boston.   |
| New York, 74                    | “ “                   | “ “               | “ Norfolk.           |
| New Orleans, 74                 | “ “                   | “ “               | “ Sac. Har.          |
| Independence, <i>Razee</i> , 54 | Boston, 1814          | Wm. B. Shubrick,  | Pacific Ocean.       |

| Name and Rate.                  | Where and when built.                    | Commanded by         | Where employed.        |
|---------------------------------|--|----------------------|------------------------|
| <i>Frigates, 1st Class. 12.</i> |  |                      |                        |
| Guns.                           |  |                      |                        |
| United States,                  | 44 Philadelphia, 1797                    | Joseph Smoot,        | Mediterranean.         |
| Constitution,                   | 44 Boston, 1797                          | John Gwinn,          | Pacific Ocean.         |
| Potomac,                        | 44 Washington, 1821                      | .                    | Norfolk.               |
| Brandywine,                     | 44 " 1825                                | Thomas Crabbe,       | Coast of Brazil.       |
| Columbia,                       | 44 " 1836                                | .                    | Norfolk.               |
| Congress,                       | 44 Portsmouth, 1841                      | E. A. F. Lavellette, | Pacific Ocean.         |
| Cumberland,                     | 44 Boston, 1842                          | .                    | New York.              |
| Savannah,                       | 44 New York, 1842                        | .                    | "                      |
| Raritan,                        | 44 Philadelphia, 1843                    | .                    | Norfolk.               |
| Santee,                         | 44 . . . . .                             | .                    | On stocks, Ports'th.   |
| Sabine,                         | 44 . . . . .                             | .                    | " N. York.             |
| St. Lawrence,                   | 44 . . . . .                             | Hiram Paulding,      | Baltic Sea.            |
| <i>Frigates, 2d Class. 2.</i>   |  |                      |                        |
| Constellation,                  | 36 Baltimore, 1797                       | .                    | Norfolk.               |
| Macedonian,                     | 36 Capt'd 1812, re-built in 1836.        | .                    | New York.              |
| <i>Sloops of War. 22.</i>       |  |                      |                        |
| Saratoga,                       | 20 Portsmouth, 1842                      | *W. C. Nicholson,    | Home Squadron.         |
| John Adams,                     | 20 Charleston, S. C., 1799, rebuilt 1820 | .                    | Boston.                |
| Vincennes,                      | 20 New York, 1826                        | .                    | New York.              |
| Warren,                         | 20 Boston, 1826                          | .                    | Pacific Ocean.         |
| Falmouth,                       | 20 " 1827                                | .                    | Boston.                |
| Fairfield,                      | 20 New York, 1828                        | .                    | Norfolk.               |
| Vandalia,                       | 20 Philadelphia, 1828                    | .                    | "                      |
| St. Louis,                      | 20 Washington, 1828                      | *H. H. Cocke,        | Coast of Brazil.       |
| Cybele,                         | 20 Boston, 1837                          | *S. F. Dupont,       | Pacific Ocean.         |
| Levant,                         | 20 New York, 1837                        | .                    | Norfolk.               |
| Portsmouth,                     | 20 Portsmouth, 1843                      | *Wm. M. Armstrong,   | Coast of Africa.       |
| Plymouth,                       | 20 Boston, 1843                          | *Thomas R. Gedney,   | East Indies.           |
| St. Mary's,                     | 20 Washington, 1844                      | *J. Crowninshield,   | Pacific Ocean.         |
| Jamestown,                      | 20 Norfolk, 1844                         | *S. Mercer,          | Coast of Africa.       |
| Albany,                         | 20 New York, 1846                        | *John Kelly,         | Home Squadron.         |
| Germantown,                     | 20 Philadelphia, 1846                    | *Charles Lowndes,    | Home Squadron.         |
| Ontario,                        | 18 Baltimore, 1813                       | *William M. Glendy,  | Rec'g ship, Baltimore. |
| Decatur,                        | 16 New York, 1839                        | *Edmund Byrne,       | Home Squadron.         |
| Pebble,                         | 16 Portsmouth, 1839                      | *W. F. Shields,      | Pacific Ocean.         |
| Yorktown,                       | 16 Norfolk, 1839                         | .                    | Boston.                |
| Marion,                         | 16 Boston, 1839                          | *L. E. Simonds,      | Mediterranean.         |
| Dale,                           | 16 Philadelphia, 1839                    | .                    | Pacific Ocean.         |
| <i>Brigs. 4.</i>                |  |                      |                        |
| Dolphin,                        | 10 New York, 1836                        | *Wm. S. Ogden,       | East Indies.           |
| Porpoise,                       | 10 Boston, 1836                          | *A. G. Gordon,       | Coast of Africa.       |
| Bainbridge,                     | 10 " 1842                                | *A. G. Slaughter,    | "                      |
| Perry,                          | 10 Norfolk, 1843                         | †Edw. G. Tilton,     | Coast of Brazil.       |
| <i>Schooners. 10.</i>           |  |                      |                        |
| Flirt,                          | Transf'd from W. D.                      | †Ebenezer Farrand,   | Home Squadron.         |
| Wave,                           | " "                                      | .                    | Coast Survey.          |
| Phoenix,                        | " "                                      | .                    | "                      |
| Bonito,                         | 1 Purchased, 1846                        | .                    | Norfolk.               |
| Reefers,                        | 1 " 1846                                 | .                    | "                      |
| Petrel,                         | 1 " 1846                                 | .                    | New York.              |
| Mahonese,                       | 1 Captured, 1846                         | .                    | Norfolk.               |
| Falcon,                         | 1 " 1846                                 | .                    | New York.              |
| Tampico,                        | 1 " 1846                                 | .                    | "                      |
| Taney,                          | Transf'd from T. D.                      | †Charles G. Hunter,  | Mediterranean.         |
| <i>Bomb Vessels. 5.</i>         |  |                      |                        |
| Stromboli,                      | 1 Purchased, 1846                        | .                    | New York.              |
| Vesuvius,                       | 1 " 1846                                 | .                    | Home Squadron.         |
| Ætna,                           | 1 " 1846                                 | .                    | Norfolk.               |
| Hecla,                          | 1 " 1846                                 | .                    | New York.              |
| Electra, Ordnance transport,    | 1 " 1846                                 | *T. A. Hunt,         | Norfolk.               |

| Name and Rate.                     | Where and when built. | Commanded by    | Where employed.  |
|------------------------------------|-----------------------|-----------------|------------------|
| <i>Steamers. 14. Guns.</i>         |                       |                 |                  |
| Mississippi, *11                   | Philadelphia, 1841    | . . . . .       | Norfolk.         |
| Fulton, 4                          | New York, 1837        | . . . . .       | New York.        |
| Union, 4                           | Norfolk, 1842         | . . . . .       | Washington.      |
| Princeton, 9                       | Philadelphia, 1843    | *F. Engle,      | Mediterranean.   |
| Michigan, 1                        | Erie, Pa., 1844       | *S. Champlin,   | Lakes.           |
| Alleghany, 3                       | Pittsburg, Pa., 1846  | †W. W. Hunter,  | Coast of Brazil. |
| Spitfire, 3                        | Purchased, 1846       | . . . . .       | Norfolk.         |
| Vixen, 3                           | " 1846                | . . . . .       | "                |
| Scorpion, 3                        | " 1846                | . . . . .       | "                |
| General Taylor, 3                  | Trans'd from W. D.    | . . . . .       | New York.        |
| Water-Witch, 3                     | Washington, 1845      | †G. M. Totten,  | Pensacola.       |
| Engineer, 3                        | Purchased, 1846       | . . . . .       | Home Squadron.   |
| Iris, 1                            | Purchased, 1847       | . . . . .       | Norfolk.         |
| Petrita, 1                         | Captured, 1847        | †S. B. Bissell, | Home Squadron.   |
| <i>Store Ships &amp; Brigs. 6.</i> |                       |                 |                  |
| Relief, 6                          | Philadelphia, 1836    | . . . . .       | New York.        |
| Erie, 6                            | Baltimore, 1813       | . . . . .       | "                |
| Lexington, 8                       | New York, 1825        | †T. Bailey,     | Pacific Ocean.   |
| Southampton, 6                     | Norfolk, 1845         | R. D. Thorburn, | Coast of Africa. |
| Supply, 6                          | Purchased, 1846       | †Wm. F. Lynch,  | Mediterranean.   |
| Fredonia, 6                        | " 1846                | . . . . .       | New York.        |

## V. THE MARINE CORPS.

THE Marine Corps has the organization of a brigade, and numbers now 58 commissioned officers, and 1,295 non-commissioned officers, musicians, and privates; in all, 1,353 men. The pay and allowances of the officers of the marine corps are the same as those of officers of the same grades in the infantry of the army, except the adjutant and inspector, who have the same pay and allowances as the paymaster of the marines. The marine corps is subject to the laws and regulations of the navy, except when detached for service with the army by the order of the President of the United States. The head-quarters of the corps are at Washington.†

### *Staff of the Marine Corps.*

†Col. Archibald Henderson.

Lieut.-Col. Samuel Miller.

Major John Harris.

Major Thomas A. Linton.

Major James Edelin.

Major William Dulany.

§ Parke G. Howle, *Adj. and Ins.*

§ G. W. Walker, *Paymaster.*

§ A. A. Nicholson, *Quartermaster.*

|| G. F. Lindsay, *Assist. Quartermaster.*

\* Paixhan.

† According to the provisions of the act of March 2, 1847, the marine corps, at the close of the war, was reduced as above. The selection of the officers to be dropped was made by a board of staff officers of the corps, Aug. 14, 1848, and approved by the President, Aug. 17, 1848.

‡ Brigadier-General by brevet. § With the rank of Major. || With the rank of Captain.

## VI. INTERCOURSE WITH FOREIGN NATIONS.—

AUGUST 4TH, 1848.

THE pay of Ministers Plenipotentiary is \$9,000 per annum, as salary, besides \$9,000 for outfit. The pay of *Chargés d'Affaires* is \$4,500 per annum; of Secretaries of Legation, \$2,000; of Ministers Resident, \$6,000.

The United States are represented by Ministers Plenipotentiary at the courts of Great Britain, France, Russia, Prussia, Spain, Mexico, and Brazil; and by *Chargés d'Affaires* at the courts of most of the other foreign countries with which this country is much connected by commercial intercourse.

1. MINISTERS AND DIPLOMATIC AGENTS OF THE UNITED STATES  
IN FOREIGN COUNTRIES.

[Corrected in the Department of State, August 4th, 1848.]

*Ministers Plenipotentiary in 1848.*

|                      |       | Appointed. | Foreign States. | Capitals.       |
|----------------------|-------|------------|-----------------|-----------------|
| George Bancroft,     | Mass. | 1846       | Great Britain,  | London.         |
| Richard Rush,        | Pa.   | 1847       | France,         | Paris.          |
| David Tod,           | Ohio, | 1847       | Brazil,         | Rio Janeiro.    |
| *Andrew J. Donelson, | Tenn. | 1844       | Prussia,        | Berlin.         |
| Romulus M. Saunders, | N. C. | 1846       | Spain,          | Madrid.         |
| Arthur P. Bagby,     | Ala.  | 1848       | Russia,         | St. Petersburg. |
| Nathan Clifford,     | Me.   | 1848       | Mexico,         | Mexico.         |

*Commissioners.*

|                   |       | Appointed. | Foreign States.   | Salary.  |
|-------------------|-------|------------|-------------------|----------|
| John W. Davis,    | Ind.  | 1848       | China,            | \$5,000† |
| Anthony Ten Eyck, | Mich. | 1845       | Sandwich Islands, | 3,000    |

*Secretaries of Legation.*

|                     |                |                                   |                |
|---------------------|----------------|-----------------------------------|----------------|
| J. Romeyn Brodhead, | Great Britain. | F. A. Sawyer,                     | Spain.         |
| Stephen K. Stanton, | France.        | Thomas J. Morgan,                 | Brazil.        |
| Colin M. Ingersoll, | Russia.        | Peter Parker ( <i>and Chinese</i> |                |
| Theodore S. Fay,    | Prussia.       | <i>Interpreter</i> ),             | China, \$2,500 |
| Robert M. Walsh,    | Mexico.        |                                   |                |

*Minister Resident.*

|  | Appointed. | Foreign State. | Capital.        |
|--|------------|----------------|-----------------|
| Dabney S. Carr,  | 1843       | Turkey,        | Constantinople. |
| John P. Brown, <i>Dragoman to the Legation.</i> Salary, \$2,500. |            |                |                 |

\* Mr. Donelson has been appointed Envoy Extraordinary and Minister Plenipotentiary to the Federal Government of Germany.

† \$1,000 additional, for performing judicial duties.




*Chargés d'Affaires in 1848.*

|                      |       | Appointed. | Foreign States.   | Capitals.     |
|----------------------|-------|------------|-------------------|---------------|
| A. Davezac,          | N. Y. | 1845       | Netherlands,      | Hague.        |
| Thomas G. Clemson,   | Pa. * | 1844       | Belgium,          | Brussels.     |
| Henry W. Ellsworth,  | Ind.  | 1845       | Sweden,           | Stockholm.    |
| R. P. Fleniken,      | Pa.   | 1847       | Denmark,          | Copenhagen.   |
| Benjamin A. Bidlack, | Pa.   | 1845       | New Granada,      | Bogotá.       |
| Benjamin G. Shields, | Ala.  | 1845       | Venezuela,        | Caraccas.     |
| Seth Barton,         | La.   | 1847       | Chili,            | Santiago.     |
| John R. Clay,        | Pa.   | 1847       | Peru,             | Lima.         |
| John Rowan,          | Ky.   | 1848       | Two Sicilies,     | Naples.       |
| William A. Harris,   | Va.   | 1846       | Argentine Rep.    | Buenos Ayres. |
| Nathaniel Niles,     | Vt.   | 1848       | Sardinia,         | Turin.        |
| George W. Hopkins,   | Va.   | 1847       | Portugal,         | Lisbon.       |
| William H. Stiles,   | Ga.   | 1845       | Austria,          | Vienna.       |
| J. L. Martin,        | Pa.   | 1848       | Pontific. States, | Rome.         |
| Elijah Hise,         | Ky.   | 1848       | Cent. America,    | Guatemala.    |
| Vanbrugh Livingston, | N. Y. | 1848       | Ecuador,          | Quito.        |
| John Appleton,       | Me.   | 1848       | Bolivia,          | Chuquisaca.   |

## 2. LIST OF CONSULS AND COMMERCIAL AGENTS OF THE UNITED STATES IN FOREIGN COUNTRIES, AND THE PLACES OF THEIR RESIDENCE.

[Corrected in the Department of State, August 4th, 1848.]

 Those marked thus (\*) are Commercial Agents.

### ARGENTINE REPUBLIC, OR BUENOS AYRES.

Geo. J. Fairfield, Buenos Ayres.  
Jefferson Adams, Rio Negro.

### AUSTRIA.

J. G. Schwartz, Vienna.  
Edward Warrens, Trieste.  
Wm. A. Sparks, Venice.

### BADEN.

John Reichard, Manheim.

### BARBARY STATES.

Thomas H. Hyatt, Tangier, Mor'co.  
Samuel D. Heap, Tunis, Tunis.  
D. S. Macaulay, Tripoli, Tripoli.

### BAVARIA.

Chas. Obermeyer, Augsburg.  
Philip Geisse, Nuremberg.

### BELGIUM.

Wm. H. Vesey, Antwerp.

### BRAZIL.

Charles J. Smith, Para.  
C. G. Salinas, Pernambuco.  
Gorham Parks, Rio Janeiro.  
Lemuel Wells, St. Catherine's Isl.  
Thos. McGuire, Rio Grande.  
Alex. H. Tyler, Bahia.

### CENTRAL AMERICA.

Steph. H. Weema, Guatemala.

A. Follin, { Omoa and Trux-  
illo (Hond.).  
J. W. Livingston, { St. Juan de Ni-  
caragua.  
Chris. Hempstead, Balize (Hond.).

## CHILI.

W. G. Moorhead, Valparaiso.  
William Crosby, Talcahuano.  
Sam'l F. Haviland, Coquimbo.

## CHINA.

Paul S. Forbes, Canton.  
Amoy.  
Rob. L. McIntosh, Fouchowfou.  
J. N. A. Griswold, Shang Hai.  
Wm. P. Peirce, †Macao.  
Fred. T. Bush, †Hong Kong.

## DENMARK.

Charles F. Ryan, Copenhagen.  
H. T. A. Rainalds, Elsineur.

*Danish Islands.*

David Rogers, Santa Cruz.  
\*David Naar, St. Thomas.

## ECUADOR.

Seth Sweetser, Guayaquil.

EGYPT, *Pacha of.*

Alexandria.

## FRANCE.

Robert Walsh, Paris.  
Wm. J. Staples, Havre.  
John W. Grigsby, Bordeaux.  
Dan'l C. Croxall, Marseilles.  
M. Hollander, Sedan.  
John A. Jones, Lyons.  
Hypolite Rogers, Nantes.  
F. M. Auboyneau, La Rochelle.  
August Furtado, Bayonne.

† Portuguese Colony.

*West Indies.*

John W. Fisher, { Pointe-à-Pitre,  
Guadeloupe.  
Gab. G. Fleurot, { St. Pierre, Mar-  
tinique.

*South America.*

J. W. Fabens, Cayenne.

*Africa.*

Francis Lacrouts, Algiers.

## GREAT BRITAIN.

*England.*

Thos. Aspinwall, London.  
Rob't Armstrong, Liverpool.  
Francis B. Ogden, Bristol.  
James Fiora, Manchester.  
Robert W. Fox, Falmouth.  
Thos. Were Fox, Plymouth.  
Jos. R. Croskey, Cowes.  
Albert Davy, Leeds.

*Scotland.*

Robert Grieve, Leith.  
Stewart Steel, Dundee.  
James Cowdin, Glasgow.

*Ireland.*

Hugh Keenan, Dublin.  
James McDowell, Belfast.  
Rob. L. Loughhead, Londonderry.  
John Murphy, Cork.  
Thos. M. Paise, Galway.

*In and near Europe and Africa.*

Horatio I. Sprague, Gibraltar.  
Wm. Winthrop, Island of Malta.  
Wm. Carroll, Isle of France.  
Isaac Chase, Cape-Town, C. G. H.  
\*John W. Carroll, Isl. of St. Helena.

*North America.*

Collins Whitaker, St. John's, N. B.  
T. B. Livingston, Halifax, N. S.  
Luther Brackett, Pictou, N. S.

‡ English Colony.

*West Indies.*

Fred'k B. Wells, Bermuda.  
 John F. Bacon, Nassau, Baha. I.  
 John T. Pickett, Turks' Island.  
 Rob. M. Harrison, Kingston, Jam.  
 \*Wm. T. Thurston, St. Christopher's.  
 \*R. S. Higinbothom, Antigua.  
 Noble Towner, Barbadoes.  
 Edw. B. Marache, Isl. of Trinidad.

*South America.*

Samuel J. Masters, Demarara, B. G.

*Australia.*

Jas. H. Williams, Sydney.  
 E. Hathaway, Jr., Hobart Town.

*East Indies.*

Joseph Balestier, Singapore.  
 George W. Ellis, Bombay.  
 Charles Huffnagle, Calcutta.

*China.*

Fred'k T. Bush, Hong Kong.

*GREECE.*

John W. Mulligan, Athens.

*HANSEATIC, OR FREE CITIES.*

Gustavus Koerner, Hamburg.  
 W. H. Robertson, Bremen.  
 Ernest Schwendler, Frankfort.

*HANOVER, HESSE CASSEL, & HESSE DARMSTADT.*

Charles Graebe, Cassel.

*HAYTI, OR ST. DOMINGO.*

Joseph C. Luther, Port au Prince.  
 Richmond Loring, Aux Cayes.  
 John L. Wilson, Cape Haytien.  
 Jonathan Elliot, { St. Domingo &  
                               { Porto Plata.

*LIBERIA.*

\*James H. Lugenbeel, Monrovia.

*MEXICAN REPUBLIC.*

John Black, Mexico.  
 J. U. Slemmons, Matamoros.  
 Franklin Chase, Tampico.  
 F. M. Dimond, Vera Cruz.  
 \*Edw. J. Glasgow, Chihuahua.  
 John Parrott, Mazatlan.  
 G. W. P. Bissell, San Blas.  
 John A. Robinson, Guaymas.

*MUSCAT, Dominion of the Imaum of.*

Charles Ward, Island Zanzibar.  
 C. Frank Powell, Muscat.

*THE NETHERLANDS, OR HOLLAND.*

Charles Nichols, Amsterdam.  
 W. S. Campbell, Rotterdam.

*Colonies.*

Francis W. Cragin, Paramaribo.  
 \*W. H. Freeman, Curaçoa.  
 F. V. B. Morris, Batavia, Java.  
 \*Charles Rey, Isl. St. Martins.

*NEW GRANADA.*

Ramon L. Sanchez, Carthagená.  
 Samuel G. Taylor, Santa Martha.  
 William Nelson, Panamá.

*PACIFIC ISLANDS, Independent.*

Joel Turrill, Honolulu, Sand. Isl.  
 J. B. Williams, Bay of Islands, N. Z.  
 \*J. B. Williams, Auckland, Fej. Isl.  
 \*John C. Williams, Navigators' Isl.  
 Horace Hawes, Society Islands.

*PERU.*

Stanhope Prevost, Lima.  
 Alex. Ruden, Jr., Paíta.

*PORTUGAL.*

Philip A. Roach, Lisbon.  
 Louis Tinelli, Oporto.  
 Wm. P. Peirce, Macao.

*Islands.*

Chas. W. Dabney, Fayal, Azores.

|                                     |                             |
|-------------------------------------|-----------------------------|
| John H. March, Funchal, Madeira.    | Wm. H. Tracy, Guayama.      |
| Mont. D. Parker, St. Jago, C. Verd. | George Latimer, St. John's. |

**PRUSSIA.**

|                  |          |
|------------------|----------|
| Fred'k Schillow, | Stettin. |
|------------------|----------|

**ROME, OR PONTIFICAL STATES.**

|                  |          |
|------------------|----------|
| Nicholas Brown,  | Rome.    |
| Jas. E. Freeman, | Ancona.  |
| Henry J. Brent,  | Ravenna. |

**RUSSIA.**

|                 |                 |
|-----------------|-----------------|
| A. P. Gibson,   | St. Petersburg. |
| Alex. Schwartz, | Riga.           |
| Edmund Brandt,  | Archangel.      |
| John Ralli,     | Odessa.         |

**SARDINIA.**

|                     |        |
|---------------------|--------|
| John Macpherson,    | Genoa. |
| Victor A. Sasserno, | Nice.  |

**SAXONY.**

|                 |          |
|-----------------|----------|
| John G. Flügel, | Leipsic. |
| George Mohr,    | Dresden. |

**SPAIN.**

|                   |                       |
|-------------------|-----------------------|
| Max. de Aguirre,  | Bilbao.               |
| Alexander Burton, | Cadiz.                |
| George Reed,      | Malaga.               |
| Justus Pou,       | Barcelona.            |
| Nich. B. Boyle,   | Port Mahon, Isl. Min. |

**Cuba.**

|                   |                   |
|-------------------|-------------------|
| Rob. B. Campbell, | Havana.           |
| Sim. M. Johnson,  | Matanzas.         |
| Samuel McLean,    | Trinidad de Cuba. |
| John W. Holding,  | Santiago de Cuba. |

**Puerto Rico.**

|                    |           |
|--------------------|-----------|
| James C. Gallaher, | Ponce.    |
| Thos. B. Abrams,   | Mayaguez. |

**Other Spanish Islands.**

|                   |                     |
|-------------------|---------------------|
| Edward F. Weld,   | Teneriffe, Canary.  |
| A. H. P. Edwards, | Manilla, Phillip'e. |

**SWEDEN AND NORWAY.**

|                            |              |
|----------------------------|--------------|
| C. D. Arfwedson,           | Stockholm.   |
| Alex. Barclay, <i>Act.</i> | Gothenburg.  |
| Helmich Janson,            | Bergen, Nor. |

**SWITZERLAND.**

|                  |                |
|------------------|----------------|
| Geo. H. Goundie, | Basel or Bâle. |
|------------------|----------------|

**TURKEY.**

|                   |                   |
|-------------------|-------------------|
| George A. Porter, | Constantinople.   |
| David W. Offley,  | Smyrna.           |
| Jasper Chasseaud, | { Beirout, Damas- |
|                   | { cus, and Saida, |
|                   | { in Syria.       |
| Merino de Mattey, | Cyprus.           |

**TUSCANY.**

|                         |            |
|-------------------------|------------|
| Joseph A. Binda,        | Leghorn.   |
| J. Ombrosi, <i>Act.</i> | L'lorence. |

**TWO SICILIES.**

|                  |          |
|------------------|----------|
| Alex. Hammett,   | Naples.  |
| John M. Marston, | Palermo. |
| T. M. Behn,      | Messina. |

**URUGUAY, OR CISPLATINE RE-PUBLIC.**

|                   |              |
|-------------------|--------------|
| Rob. M. Hamilton, | Monte Video. |
|-------------------|--------------|

**VENEZUELA.**

|                  |                 |
|------------------|-----------------|
| Southy Grinalds, | Puerto Cabello. |
| John P. Adams,   | Laguayra.       |
| Roland Dubs,     | Maracaibo.      |

**WURTEMBERG.**

|                 |            |
|-----------------|------------|
| Tobias Beehler, | Stuttgart. |
|-----------------|------------|

The only Consuls who receive salaries are those for London, \$2,000, Tangier, \$2,000, Tunis, \$2,000, and Tripoli, \$2,000. The Consuls for the five treaty ports in China receive \$1,000 each for judicial duties.

## 3. FOREIGN MINISTERS AND THEIR SECRETARIES,

*Accredited to the Government of the United States.*

[Corrected in Department of State, August 4th, 1848.]

| Foreign States. | Envoys Ex. and Min. Plen.      | Secretaries, &c.                         |
|-----------------|--------------------------------|--|
| Russia,         | Alexander de Bodisco,          | Edw. de Stœckl, <i>1st Sec.</i>          |
| "               | "                              | Mr. de Cramer, <i>2d Sec.</i>            |
| Argentine Rep., | Brig.-Gen. D. C. M. de Alvear, | <i>Min. Plen. and Extraor.</i>           |
| "               | "                              | D. Emilio de Alvear, <i>Sec. of Leg.</i> |
| France,         | Guillaume Tell Poussin,        | M. A. Bourboulon.                        |
| Spain,          | Don A. Calderon de la Barca,   | Don F. Bourman.                          |
| "               | "                              | Don Rodrigo Tavira, } <i>Attachés.</i>   |
| "               | "                              | Don Juan Silva, }                        |
| Chili,          | Don Manuel Carvallo,           | Don Fran. S. Astaburuaga.                |
| "               | "                              | Don Daniel Frost, } <i>Attachés.</i>     |
| "               | "                              | Don Zenon Freire, }                      |
| New Granada,    | Gen. Pedro Alcantara Herran,   | Cerveleon Pinzon.                        |
| "               | "                              | Dr. Elvi Ordoñez, <i>Attaché.</i>        |

## Ministers Resident.

|           |                          |                                    |
|-----------|--------------------------|------------------------------------|
| Portugal, | Com. J. C. de Figanieri, | { Sen. F. F. de la Figanieri,      |
|           |                          | <i>Attaché.</i>                    |
| Prussia,  | Baron Von Gerolt,        | Chevalier Lischke, <i>Attaché.</i> |
| Belgium,  | Chevalier Beaulieu.      |                                    |

## Chargés d'Affaires.

|                |  |
|----------------|--|
| Great Britain, | J. F. Crampton, <i>Acting Chargé d'Affaires.</i>       |
| Denmark,       | M. Steen de Billé, M. Torben de Billé, <i>Attaché.</i> |
| Austria,       | Chevalier Hülsemann, <i>ad interim.</i>                |
| Netherlands,   | Baron Testa.   |
| Sweden,        | Chevalier Adam de Lövenskiöld.                         |
| Two Sicilies,  | Chevalier Martuscelli.                                 |
| Sardinia,      | M. L. Mossi.   |
| Brazil,        | M. Felipe P. Leal.                                     |
| Peru,          | Señor Don Ygnacii de Osma, <i>ad interim.</i>          |

## 4. FOREIGN CONSULS AND VICE-CONSULS IN THE UNITED STATES.\*

*A List of Foreign Consuls and Vice-Consuls in the United States.*

Those marked thus (\*) are *Consuls-General*; thus (†) *Vice-Consuls*; the rest are *Consuls*.

*Argentine Republic, or Buenos Ayres.*

Fitzhenry Homer, Boston.

*Austria.*

\*Auguste Belmont, New York.

J. W. Langdon, *Cons. Agt.*, Boston.

†Dan. J. Desmond, Philadelphia.

Fr. Rodenwald, *Cons. Agt.*, Baltimore.

W. H. Kuhtman, Charleston.

†J. E. Dumont, Mobile.

Jacob H. Eimer, New Orleans.

*Baden.*

\*J. W. Schmidt, New York.

†Jacob H. Eimer, New Orleans.

*Bavaria.*

G. Heinrich Siemon, New York.

C. Fred. Hagedorn, Philadelphia.

John Smidt, Louisville.

Ferdin. L. Brauns, Baltimore.

*Belgium.*

\*Auguste Moxhet, New York.

†S. Rawson, Eastport.

Thos. A. Deblois, Portland.

John D. Bates, Boston.

†Hippolyte Mali, New York.

J. Borie, Philadelphia.

Samuel D. Walker, Baltimore.

A. W. Nölling, Richmond.

†Auguste Branda, Norfolk.

Geo. A. Hopley, Charleston.

W. O'Driscoll, Savannah.

†William Porter, Apalachicola.

†Th. Pinkney, Key West.

Charles Auzé, Mobile.

James B. Behr, New Orleans.

*Brazil.*

\*L. H. F. d'Aguiar, New York.

†Archibald Foster, { Mass., N.H., and  
Maine, Boston.

†L. F. Figaniere, New York.

†Edw. S. Sayres, Philadelphia.

C. O. O'Donnell, Baltimore.

†Clement Smith, Dist. Columbia.

†Hermah Baldwin, Richmond.

†Myer Myers, Norfolk.

†H. G. Chadwick, Charleston.

†Peter Regnand, New Orleans.

*Bremen.*

Herman Oelrichs, New York.

J. C. Mecke, Philadelphia.

\*Alb. Schumacher, Baltimore.

Ant. Ch. Cazenove, Dist. Columbia.

Lewis Trapman, Charleston.

Eleazer Crabtree, Savannah.

Fred'k Rodewald, New Orleans.

Johannes Wolf, St. Louis.

Diedr. H. Klaener, Galveston.

*Brunswick and Lauenburg.*

\*John H. Dreyer, New York.

*Buenos Ayres.*

†N. Frazee, Philadelphia.

*Chili.*

Frank. H. Delano, New York.

R. B. Fitzgerald, Baltimore.

*Denmark.*

\*M. Steen Billé, Philadelphia.

G. M. Thacher, { Mass., Me., N. H.,  
and R. I., Boston.

Edw. Beck, { N. Y., Conn., and part  
of N. J., New York.

\* This list is necessarily imperfect in some degree, as no official record of the Foreign Consuls in the United States is kept at any of the public offices. Every exertion is made to render it as correct as possible. Those who notice errors in the list are respectfully requested to communicate them to the editor, for correction in the subsequent volume.

†John Bohlen, Philadelphia.  
 †Hen. G. Jacobsen, Baltimore.  
 †P. K. Dickinson, Wilmington.  
 †James H. Ladson, Charleston.  
 †W. Crabtree, Savannah.  
 J. F. C. Vles, New Orleans.

*Ecuador.*

Seth Bryant, Boston.  
 James H. Causten, Washington.  
 Edward Sweetser, Philadelphia.  
 Murat Willis, Norfolk.

*France.*

\*Auguste Simounet, New York.  
 †Louis Borg, New York.  
 Ed. S. Isnard, *Cons. Agt.*, Boston.  
 †Fauvel Gouraud, Newport.  
 Durand de St. André, Philadelphia.  
 †Geo. C. Morton, Baltimore.  
 Count de Montholon, Richmond.  
 Pascal Schisano, Norfolk.  
 Count de Choiseul, Charleston.  
 †R. de Leaumont, Charleston.  
 †L. Barré, Savannah.  
 Aimé Roger, New Orleans.  
 †H. Germain, New Orleans.  
 †H. de St. Cyr, Galveston.

*Frankfort on the Maine.*

Fred. Wysmann, New York.  
 Arnold Halbach, Philadelphia.

*Great Britain.*

†W. D. Sherwood, Eastport.  
 Jos. J. Sherwood, Portland.  
 E. A. Grattan, Boston.  
 †Wm. Elliott, Boston.  
 †C. Grinnell, New Bedford.  
 Anthony Barclay, New York.  
 William Peter, Philadelphia.  
 J. McTavish, Baltimore.  
 Francis Waring, Norfolk.  
 †H. Smith, Alexandria.  
 Chas. D. Wake, { N. C. and S. C.,  
                               { Charleston.  
 †G. W. Davis, Wilmington.

†R. Martin, *Act.* { Flor. and Ala.,  
                               { Mobile.  
 †— O'Hara, Key West.  
 A. L. Molyneux, Georgia.  
 William Mure, New Orleans.

*Greece.*

Henry G. Andrews, Boston.  
 Eugene Dutilh, New York.

*Guatemala.*

\*Antonio de Aycenena.

*Hamburg.*

\*Charles N. Buck, Philadelphia.  
 \*Alb. Schumacher, Baltimore.  
 C. H. F. Moehring, Boston.  
 Theodore des Arts, New York.  
 Henry Ludlam, Richmond.  
 Lewis Trapman, Charleston.  
 Edward R. Bell, Mobile.  
 William Vogel, New Orleans.  
 J. W. Jockuth, Galveston.

*Hanover.*

L. H. Meyer, New York.  
 †A. W. Hupeden, New York.  
 John Leppien, Philadelphia.  
 Edward Uhrlaub, Baltimore.  
 W. H. Kuhtman, Charleston.  
 James B. Behr, New Orleans.  
 Frederic Schwartz, Louisville.  
 Charles Bollman, Pittsburg.  
 Adolphus Meier, St. Louis.  
 Julius Frederick, Galveston.

*Hawaiian Islands.*

\*Sch. Livingston, New York.  
 Granville S. Oldfield, { Md. and Del.,  
                                   { Baltimore.

*Elector of Hesse.*

Conrad W. Faber, New York.

*Grand Duke of Hesse, Hesse Darmstadt.*

Antoin Bollerman, New York.

*Lubec.*

G. W. Kruger, New York.  
 Died. H. Klaener, Galveston.

*Mecklenburg-Schwerin.*

\*L. Herckenrath, Charleston.  
 Wilhelm Prehn, New Orleans.  
 A. T. Berg, Galveston.

*Montevideo.*

Frederic B. Graf, Baltimore.

*Nassau.*

\*Wilh. A. Kobbe, New York.

*Netherlands.*

Thomas Dixon, { Mass., Me., N. H.,  
 { and R. I., Boston.

†B. Homer Dixon, Boston.

J. C. Zimmerman, { N. Y., N. J., and  
 { Ct., New York.

Henry Bohlen, Philadelphia.

Frederic B. Graf, Baltimore.

Th. L. Wragg, Charleston.

†Oliver O'Hara, Key West.

Myer Myers, Norfolk.

*New Granada.*

\*Don Domingo Acosta.

Greg. Dominguez, New York.

*Oldenburg.*

E. Pavenstedt, New York.

Henry Oelrichs, Baltimore.

Charles T. Lowndes, Charleston.

Julius Frederich, Galveston.

*Peru.*

George F. Guild, Boston.

Thomas Galway, New York.

Chapman Biddle, Philadelphia.

James J. Fisher, Baltimore.

*Portugal.*

†D. Anton. G. Vega, { Ms. and N. H.,  
 { Boston.

†W. de F. H. Borges, R. I., Warren.

M. C. H. S. de la Figanieri, N. Y., Ct.,  
 [and East Jersey, New York.

†Jose B. de Camara, Baltimore.

†Dan. J. Desmond, Philadelphia.

†Christ. Neale, { Dist. Columbia and  
 { Alexandria, Va.

†Manoel A. Santos, Norfolk.†

†Henriq. T. Street, Charleston.

†J. G. Doon, Savannah.

Carlos Le Baron, Mobile.

*Prussia.*

\*J. W. Schmidt, New York.

G. H. Mecke, Philadelphia.

Ferdin. L. Brauns, Baltimore.

Lewis Trapman, Charleston.

Wilhelm Vagel, New Orleans.

E. C. Angelrodt, St. Louis.

†F. A. Hirsch, Boston.

†George Hussey, New Bedford.

*Rome.*

†Nicholas Reggio, Boston.

†Louis B. Binsse, New York.

\*Daniel J. Desmond, Philadelphia.

T. P. Scott, Baltimore.

†Thomas Roger, Charleston.

Charles J. Daron, New Orleans.

*Russia.*

\*Alex. Evstaphieve, New York.

Geo. E. Runhardt, New York.

†Robert B. Storer, Boston.

†John R. Wilder, Savannah.

†Joseph E. Morrell, Mobile.

Edward Johns, New Orleans.

†J. S. Haviland, Philadelphia.

Charles L. Kuster, Baltimore.

*Sardinia.*

\*Louis Mossi, Washington.

Antonio Michoud, New Orleans.

S. Dacorsi, Act. Con., New York.

†Nicholas Reggio, { Me., N. H., Mass.,  
 { and R. I., Boston.

Dan. J. Desmond, { Penn., N. J., and  
 { Del., Philadelphia

†E. L. Trenholm, Charleston.

†C. A. Williamson, Baltimore.

†A. B. de Meaux, Mobile.

†M. Ravena, Galveston.

† And for all other ports in Virginia except Alexandria.



*Saxe Coburg and Gotha.*

C. Hinrich, New York.

*Saxe-Weimar.*

Edward Stucken, New York.

*Saxony.*

\*J. W. Schmidt, New York.

Ferdin. L. Brauns, Baltimore.

J. F. C. Vles, New Orleans.

*Spain.*

†Th. Am. Deblois, Portland.

†Wm. B. Parker, Portsmouth.

Don Ant. G. Vega, Boston.

F. Stoughton, New York.

†Jorge Chacon, Philadelphia.

†J. Anto. Larrañga, Charleston.

†J. Anto. Pizarro, Baltimore.

†Walter De Lacy, Norfolk.

Fred. B. Lord, Wilmington.

†F. Moreno, Pensacola.

†F. A. Browne, Key West.

†R. A. D. Sorrel, Savannah.

†Manuel Cruzat, Mobile.

Don C. De España, New Orleans.

*Sweden and Norway.*

\*A. de Lövenskiold, Washington.

†Claud E. Habicht, New York.

Rich. Seldener, Philadelphia.

†F. B. Graf, Baltimore.

†John H. Brent, Alexandria.

†Duncan Robertson, Norfolk.

†Fran. H. Welman, Savannah.

†Jos. A. Winthrop, Charleston.

†George Westeldt, Mobile.

†Diedr. Miesegaes, New Orleans.

†E. S. Benzon, { Me., N. H., and  
{ Mass., Boston.*Switzerland.*Louis P. De Luge, { N. England and  
{ N. Y., New York.J. G. Syze, { Penn., New Jersey, and  
{ Delaware, Philadelphia.Nicholas Basler, { Ky., Ind., Ill., O.,  
{ Mich., and Wisc.,  
{ Louisville.

J. C. Kuhn, Texas, Galveston.

J. F. Peschier, { La. and Miss.,  
{ New Orleans.*Turkey.*

Abraham Zipcy, Boston.

*Tuscany.*

W. H. Aspinwall, New York.

Carlo Gavenni, Mobile.

Garlo G. Mansoni, New Orleans.

D. J. Desmond, Cons. Agt., Philadel.

*Two Sicilies.*

\*Don Domenico Morelli, Philadel'a.

†Nicholas Reggio, Boston.

†B. D. Potter, Providence.

†Ira Clisbe, New Haven.

J. Dacoste, Acting, New York.

†Luca Palmieri, Philadelphia.

†N. E. Fowls, Dist. Columbia.

†Antonio Pomer, Norfolk.

†G. A. Trenholm, Charleston.

†Goffredo Barnsley, Savannah.

†O. Wolff, Mobile.

†G. A. Barelli, New Orleans.

*Uruguay.*

E. S. Tobey, Boston.

†G. F. Darby, New York.

†George Green, Philadelphia.

†T. B. Graf, Baltimore.

†G. L. Lowden, Charleston.

†C. J. Mansong, Mobile.

†E. Dudley Head, New Orleans.

*Venezuela.*

Silas G. Whitney, Boston.

†John P. Bigelow, Boston.

Juan B. Purroy, New York.

W. McIlhenney, Philadelphia.

J. F. Strohm, Baltimore.

Aaron Milhado, Norfolk.

Geo. B. Dieter, New Orleans.

*Wurtemberg.*

\*Ferd. L. Brauns, Baltimore.

Frederick Klett, Philadelphia.

Leopold Bierwirth, New York.

Carl. Fred. Adae, Cincinnati.

F. Honold, New Orleans.

## VII. CONGRESS.

THE Congress of the United States consists of a Senate and House of Representatives, and must assemble at least once every year, on the first Monday of December, unless it is otherwise provided by law.

The Senate is composed of two members from each State; and, of course, the regular number is now 60. They are chosen by the Legislatures of the several States, for the term of six years, one third of them being elected biennially.

The Vice-President of the United States is the President of the Senate, in which body he has only a casting vote, which is given in case of an equal division of the votes of the Senators. In his absence, a President *pro tempore* is chosen by the Senate.

The House of Representatives is composed of members from the several States, elected by the people, for the term of two years. The Representatives are apportioned among the different States according to population. The 30th Congress is chosen according to the act of Congress of 1842, the ratio being "one Representative for every 70,680 persons in each State, and one additional Representative for each State having a fraction greater than one moiety of the said ratio, computed according to the rule prescribed by the Constitution of the United States." The law of 1842 also requires, that the Representatives of each State "shall be elected by *districts* composed of a contiguous territory equal in number to the number of Representatives to which said State may be entitled, no one district electing more than one Representative." The present number of Representatives is 230.

Since the 4th of March, 1817, the compensation of each member of the Senate and House of Representatives has been \$8 a day, during the period of his attendance in Congress, without deduction in case of sickness; and \$8 for every twenty miles' travel, in the usual road, in going to and returning from the seat of government. The compensation of the President of the Senate *pro tempore*, and the Speaker of the House of Representatives, is \$16 a day.

## THIRTIETH CONGRESS. THE SENATE.

GEORGE M. DALLAS, Pennsylvania, *President*.

[The figures denote the expiration of the terms of the Senators.]

| <i>Maine.</i>              |      | <i>Vermont.</i>               |      |
|----------------------------|------|-------------------------------|------|
| Hannibal Hamlin, Hampden,  | 1851 | William Upham, Montpelier,    | 1849 |
| J. W. Bradbury, Augusta,   | 1853 | Samuel S. Phelps, Middlebury, | 1851 |
| <i>New Hampshire.</i>      |      | <i>Massachusetts.</i>         |      |
| Chas. G. Atherton, Nashua, | 1849 | Daniel Webster, Marshfield,   | 1851 |
| John P. Hale, Dover,       | 1853 | John Davis, Worcester,        | 1853 |

*Rhode Island.*

Albert C. Greene, Providence, 1851  
John H. Clarke, Providence, 1853

*Connecticut.*

John M. Niles, Hartford, 1849  
Roger S. Baldwin, New Haven, 1851

*New York.*

John A. Dix, Albany, 1849  
D. S. Dickinson, Binghampton, 1851

*New Jersey.*

Wm. L. Dayton, Trenton, 1851  
Jacob W. Miller, Morristown, 1853

*Pennsylvania.*

Simon Cameron, Middletown, 1849  
Daniel Sturgeon, Uniontown, 1851

*Delaware.*

John M. Clayton, Newcastle, 1851  
Presley Spruance, Newcastle, 1853

*Maryland.*

James A. Pearce, Chestertown, 1849  
Reverdy Johnson, Baltimore, 1851

*Virginia.*

James M. Mason, Winchester, 1851  
R. M. T. Hunter, Lloyds, Essex, 1853

*North Carolina.*

Geo. E. Badger, Raleigh, 1849  
W. P. Mangum, Red Mountain, 1853

*South Carolina.*

A. P. Butler, Edgefield C.H. 1849  
John C. Calhoun, Pendleton, 1853

*Georgia.*

Hers. V. Johnson, Milledgeville, 1849  
John M. Berrien, Savannah, 1853

*Alabama.*

William R. King, Selma, 1849  
Dixon H. Lewis, Benton, 1853

*Mississippi.*

Jefferson Davis, Warrenton, 1851  
Henry S. Foote, Jackson, 1853

*Louisiana.*

Henry Johnson, New River, 1849  
Solo. U. Downs, Monroe, 1853

*Arkansas.*

\*Solon Borland, Little Rock, 1849  
\*Wm. K. Sebastian, Helena, 1853

*Tennessee.*

Hopk. L. Turney, Winchester, 1851  
John Bell, Nashville, 1853

*Kentucky.*

\*Thos. Metcalf, Forest Retreat, 1849  
J.R. Underwood, Bowling Green, 1853

*Ohio.*

William Allen, Chillicothe, 1849  
Thomas Corwin, Lebanon, 1851

*Michigan.*

\*Thos. H. Fitzgerald, Niles, 1851  
Alpheus Felch, Ann Arbor, 1853

*Indiana.*

E. A. Hannegan, Covington, 1849  
Jesse D. Bright, Madison, 1851

*Illinois.*

Sidney Breese, Carlyle, 1849  
S. A. Douglass, Quincy, 1853

*Missouri.*

David R. Atchison, Platte City, 1849  
Thos. H. Benton, St. Louis, 1851

*Florida.*

J. D. Westcott, Jr., Tallahassee, 1849  
David Levy Yulee, St. Augustine, 1851

*Texas.*

Thos. J. Rusk, Nacogdoches, 1851  
Samuel Houston, Raven Hill, 1853

*Iowa.*

Two Vacancies.

*Wisconsin.*

Henry Dodge, Dodgeville, 1851  
J. P. Walker, Milwaukie, 1853

*Officers of the Senate.*

Asbury Dickens, *Secretary.*

Lewis H. Machen, *Chief Clerk.*

Robert Beale, { *Sergeant-at-Arms*  
                          *and Doorkeeper.*  
Henry Slicer, *Chaplain.*

\* Appointed by the Governor to hold office until the Legislature fills the vacancy.

HOUSE OF REPRESENTATIVES OF THE THIRTIETH CONGRESS,  
which will expire on the 3d of March, 1849.

ROBERT CHARLES WINTHROP, of Massachusetts, *Speaker*.

[The numbers attached to the names show the Districts in each State from which the members were chosen.]

*Maine.* — 7.

3. Belcher, Hiram, Farmington.
2. Clapp, Asa W. H., Portland.
4. Clark, Franklin, Wiscasset.
1. Hammons, David, Lovell.
5. Smart, Eph. K., Camden.
6. Wiley, James S., Dover.
7. Williams, Hez'h, Castine.

*New Hampshire.* — 4.

4. Johnson, Jas. H., Bath.
2. Peaslee, Chas. H., Concord.
1. Tuck, Amos, Exeter.
3. Wilson, James, Keene.

*Vermont.* — 4.

2. Collamer, Jacob, Woodstock.
1. Henry, William, Bellows Falls.
3. Marsh, George P., Burlington.
4. Peck, Lucius B., Montpelier.

*Massachusetts.* — 10.

3. Abbott, Amos, Andover.
6. Ashmun, George, Springfield.
10. Grinnell, Joseph, New Bedford.
9. Hale, Artemas, Bridgewater.
5. Hudson, Charles, Westminster.
2. King, Daniel P., South Danvers.
8. Mann, Horace, West Newton.
4. Palfrey, John G., Cambridge.
7. Rockwell, Julius, Pittsfield.
1. Winthrop, R. C., Boston.

*Rhode Island.* — 2.

1. Cranston, R. B., Newport.
2. Thurston, Benj. B., Hopkinton.

*Connecticut.* — 4.

1. Dixon, James, Hartford.
2. Hubbard, S. D., Middletown.
3. Rockwell, John A., Norwich.
4. Smith, Truman, Litchfield.

*New York.* — 34.

22. Birdsall, Auburn, Binghampton.
18. Collins, William, Lowville.
25. Conger, Harmon S., Cortlandville.
23. Duer, William, Oswego.
24. Gott, Daniel, Pompey.
32. Hall, Nathan K., Buffalo.
28. Holmes, Elias B., Brockport.
34. Hunt, Washington, Lockport.
20. Jenkins, Timothy, Oneida Castle.
14. Kellogg, O. D., Elizabethtown.
15. Lawrence, Sidney, Moira.
26. Lawrence, W. T., Cayutaville.
1. Lord, Fred. W., Greenport, L. I.
4. Maclay, Wm. B., New York.
31. Marvin, Dudley, Ripley.
19. Mullin, Joseph, Watertown.
2. Murphy, Henry C., Brooklyn.
7. Nelson, William, Peekskill.
3. Nicoll, Henry, New York.
17. Petrie, George, Little Falls.
33. Putnam, Harvey, Attica.
12. Reynolds, Gideon, Hoosick.
29. Rose, Robert L., Allen's Hill.
30. Rumsey, David, Bath.
10. Sherrill, Eliakim, Shandaken.
13. Slingerland, J. J., Bethlehem.
21. Starkweather, G. A., Cooperstown.
9. St. John, D. B., Monticello.
11. Sylvester, Peter H., Coxsackie.
5. Tallmadge, F. A., New York.
8. Warren, Cornelius, Cold Spring.
16. White, Hugh, Cohoes.
6. Vacant.
27. Vacant.

*New Jersey.* — 5.

3. Edsall, Joseph E., Hamburg.
5. Gregory, Dudley S., Jersey City.
1. Hampton, James G., Bridgetown.

2. Newell, Wm. A., Allentown.
4. Van Dyke, John, N. Brunswick.

*Pennsylvania.* — 24.

17. Blanchard, John, Bellefont.
16. Brady, Jasper E., Chambersburg.
6. Bridges, Sam. A., Allentown.
10. Brodhead, R., Easton.
3. Brown, Charles, Philadelphia.
11. Butler, Chester, Wilkesbarre.
20. Dickey, John, Beaver.
14. Eckert, George N., Pottsville.
22. Farrelly, John W., Meadville.
5. Freedley, John W., Norristown.
21. Hampton, Moses, Pittsburg.
4. Ingersoll, Chas. J., Philadelphia.
2. Ingersoll, Jos. R., Philadelphia.
24. Irvin, Alexander, Clearfield.
1. Levin, Lewis C., Philadelphia.
19. Mann, Job, Bedford.
7. M'Ilvaine, A. R., Brandywine.
15. Nes, Henry, York.
13. Pollock, James, Milton.
18. Stewart, Andrew, Uniontown.
8. Strohm, John, N. Providence.
9. Strong, William, Reading.
23. Thompson, James, Erie.
12. Wilmot, David, Towanda.

*Delaware.* — 1.

- Houston, John W., Georgetown.

*Maryland.* — 6.

1. Chapman, John G., Port Tobacco.
6. Crisfield, John W., Princess Ann.
5. Evans, Alexander, Elkton.
3. Ligon, Thos. W., Ellicott's Mills.
4. McLane, Robert M., Baltimore.
2. Roman, James D., Hagerstown.

*Virginia.* — 15.

1. Atkinson, Arch., Smithfield.
7. Bayly, Thos. H., Accomac C. H.
8. Beale, R. T. L., Hague.
10. Bedinger, Henry, Charlestown.
4. Boccock, Thos. S., Appomattox.
6. Botts, John M., Richmond.

15. Brown, Wm. G., Kingwood.
3. Flournoy, Thos. S., Halifax C. H.
13. Fulton, Andrew S., Wytheville.
5. Goggin, Wm. L., Otter Bridge.
11. M'Dowell, James, Lexington.
2. Meade, Rich. K., Petersburg.
9. Pendleton, J. S., Culpepper C. H.
12. Preston, Wm. B., Kanawha C. H.
14. Thompson, R. A., Blacksburg.

*North Carolina.* — 9.

3. Barringer, D. M., Concord.
2. Boydon, Nath., Salisbury.
1. Clingman, T. L., Asheville.
7. Daniel, J. R. J., Halifax.
8. Donnell, R. S., New Berne.
6. M'Kay, James J., Elizabethtown.
9. Outlaw, David, Windsor.
4. Shepperd, A. H., Salem.
5. Venable, A. W., Brownsville.

*South Carolina.* — 7.

5. Burt, Armistead, Willington.
6. Holmes, Isaac E., Charleston.
7. Rhett, R. B., Ashepool.
2. Simpson, R. F., Pendleton.
4. Sims, A. D., Darlington C. H.
1. Wallace, Daniel, Union C. H.
3. Woodward, J. A., Winnsboro'.

*Georgia.* — 8.

6. Cobb, Howell, Athens.
4. Haralson, H. A., La Grange.
2. Iverson, Alfred, Columbus.
3. Jones, John W., Griffin.
1. King, Thomas B., Frederica.
5. Lumpkin, J. H., Rome.
7. Stephens, A. H., Crawfordsville.
8. Toombs, Robert, Washington.

*Alabama.* — 7.

7. Bowdon, F. W., Talladega.
6. Cobb, W. R. W., Bellefonte.
1. Gayle, John, Mobile.
3. Harris, S. W., Wetumpka.
2. Hilliard, H. W., Montgomery.
5. Houston, Geo. S., Athens.
4. Inge, Samuel W., Livingston.

*Mississippi.* — 4.

4. Brown, Albert G., Gallatin.
2. Featherston, W. S., Houston.
1. Thompson, Jacob, Oxford.
3. Tompkins, P. W., Vicksburg.

*Louisiana.* — 4.

3. Harmanson, J. H., Simmsport.
1. La Sère, Emile, New Orleans.
4. Morse, Isaac E., St. Martinsville.
2. Thibodeaux, B. G., Thibodeaux.

*Arkansas.* — 1.

- Johnson, Rob. W., Little Rock.

*Tennessee.* — 11.

8. Barrow, W., Nashville.
9. Chase, L. B., Clarksville.
2. Cocke, Wm. M., Rutledge.
3. Crozier, John H., Knoxville.
7. Gentry, M. P., Franklin.
11. Haskell, Wm. T., Jackson.
4. Hill, H. L. W., Irving College.
1. Johnson, Andrew, Greenville.
5. Jones, Geo. W., Fayetteville.
10. Stanton, Fred. P., Memphis.
6. Thomas, Jas. H., Columbia.

*Kentucky.* — 10.

6. Adams, Green, Barbourville.
1. Boyd, Lynn, Cadiz.
4. Buckner, Aylett, Greensburg.
3. Clark, B. L., Franklin.
7. Duncan, Garnett, Louisville.
9. French, Richard, Mt. Sterling.
10. Gaines, John P., Walton.
8. Morehead, C. S., Frankfort.
2. Peyton, Sam. O., Hartford.
5. Thompson, J. B., Harrodsburg.

*Ohio.* — 21.

4. Canby, Richard S., Bellefontaine.
19. Crowell, John, Warren.
16. Cummins, J. D., New Philad'a.
6. Dickinson, R., L. Sandusky.
10. Duncan, Daniel, Newark.
9. Edwards, Th. O., Lancaster.
14. Evans, Nathan, Cambridge.

1. Faran, James J., Cincinnati.
2. Fisher, David, Wilmington.
17. Fries, George, Hanoverton.
20. Giddings, J. R., Jefferson.
15. Kennon, William, St. Clairsville.
18. Lahm, Samuel, Canton.
11. Miller, John K., Mt. Vernon.
7. Morris, Jona. D., Batavia.
13. Richey, Thomas, Summerset.
21. Root, Joseph M., Norwalk.
5. Sawyer, William, St. Mary's.
3. Schenck, R. C., Dayton.
8. Taylor, John L., Chillicothe.
12. Vinton, Sam. F., Gallipolis.

*Michigan.* — 3.

3. Bingham, K. S., Kensington.
1. M'Clelland, R., Monroe.
2. Stuart, Charles E., Kalamazoo.

*Indiana.* — 10.

9. Cathcart, C. W., Laporte.
6. Dunn, George G., Bedford.
1. Embree, Elisha, Princeton.
2. Henley, T. J., N. Washington.
8. Pettit, John, Lafayette.
3. Robinson, J. L., Rushville.
10. Rockhill, Wm., Ft. Wayne C. H.
4. Smith, Caleb B., Connorsville.
7. Thompson, R. W., Terre Haute.
5. Wick, Wm. W., Indianapolis.

*Illinois.* — 7.

3. Ficklin, O. B., Charleston.
7. Lincoln, Abraham, Springfield.
2. M'Clernand, J. A., Shawneetown.
5. Richardson, W. A., Rushville.
1. Smith, Robert, Upper Alton.
6. Turner, Thos. J., Freeport.
4. Wentworth, John, Chicago.

*Missouri.* — 5.

1. Bowlin, James B., St. Louis.
3. Greene, James S., Monticello.
5. Hall, Willard P., St. Joseph.
2. Jamieson, John, Fulton.
4. Phelps, John S., Springfield.

*Florida. — 1.*

Cabell, E. C., Tallahassee.

*Texas. — 2.*

1. Kaufman, David S., Sabinetown.

2. Pillsbury, Tim., Brazoria.

*Iowa. — 2.*

2. Leffler, Shepherd, Burlington.

1. Thompson, Wm., Mt. Pleasant.

*Wisconsin. — 2.*

1. Darling, Mason C., Fond du Lac.

2. Lynde, Wm. Pitt, Milwaukee.

*Officers of the House of Representatives.*Thomas Jefferson Campbell, *Clerk.*Daniel Gold, *Chief Clerk.*P. Williams, *Librarian.*Nathan Sargent, *Sergeant-at-Arms.*R. E. Hornor, *Doorkeeper.*J. M. Johnson, *Postmaster.*R. R. Gurley, *Chaplain.*John S. Meehan, *Librarian to Congress.*

## ALPHABETICAL LIST OF THE HOUSE OF REPRESENTATIVES.

|                     |       |                     |       |                      |       |
|---------------------|-------|---------------------|-------|----------------------|-------|
| Abbott, Amos,       | Ms.   | Chapman, John G.,   | Md.   | Evans, Alexander,    | Md.   |
| Adams, Green,       | Ky.   | Chase, Lucien B.,   | Tenn. | Evans, Nathan,       | O.    |
| Ashmun, George,     | Ms.   | Clapp, A. W. H.,    | Me.   | Faran, James J.,     | O.    |
| Atkinson, Arch'd,   | Va.   | Clark, B. L.,       | Ky.   | Farrelly, John W.,   | Pa.   |
| Barringer, Dan. M., | N.C.  | Clark, Franklin,    | Me.   | Featherston, W. S.,  | Miss. |
| Barrow, Wash.,      | Tenn. | Clingman, T. L.,    | N. C. | Ficklin, Orlando B., | Ill.  |
| Bayly, Thos. H.,    | Va.   | Cobb, Howell,       | Ga.   | Fisher, David,       | O.    |
| Beale, R. T. L.,    | Va.   | Cobb, W. R. W.,     | Ala.  | Flournoy, T. S.,     | Va.   |
| Bedinger, Henry,    | Va.   | Cocke, Wm. M.,      | Tenn. | Freedley, John,      | Pa.   |
| Belcher, Hiram,     | Me.   | Collamer, Jacob,    | Vt.   | French, Richard,     | Ky.   |
| Bingham, K. S.,     | Mich. | Collins, William,   | N. Y. | Fries, George,       | O.    |
| Birdsall, Auburn,   | N. Y. | Conger, H. S.,      | N. Y. | Fulton, A. S.,       | Va.   |
| Blanchard, John,    | Pa.   | Cranston, R. B.,    | R. I. | Gaines, John P.,     | Ky.   |
| Bocock, Thos. S.,   | Va.   | Crisfield, John W., | Md.   | Gayle, John,         | Ala.  |
| Botts, John M.,     | Va.   | Crowell, John,      | O.    | Gentry, M. P.,       | Tenn. |
| Bowdon, F. W.,      | Ala.  | Crozier, John H.,   | Tenn. | Giddings, Joshua R., | O.    |
| Bowlin, James B.,   | Mo.   | Cummins, John D.,   | O.    | Goggin, Wm. L.,      | Va.   |
| Boyd, Lynn,         | Ky.   | Daniel, J. R. J.,   | N. C. | Gott, Daniel,        | N. Y. |
| Boydon, Nath'l,     | N. C. | Darling, Mason C.,  | Wis.  | Greene, James S.,    | Mo.   |
| Brady, Jasper E.,   | Pa.   | Dickey, John,       | Penn. | Gregory, D. S.,      | N. J. |
| Bridges, Samuel A., | Pa.   | Dickinson, Rodolph, | O.    | Grinnell, Joseph,    | Ms.   |
| Brodhead, Richard,  | Pa.   | Dixon, James,       | Ct.   | Hale, Artemas,       | Ms.   |
| Brown, Albert G.,   | Miss. | Donnell, R. S.,     | N. C. | Hall, N. K.,         | N. Y. |
| Brown, Charles,     | Pa.   | Duer, William,      | N. Y. | Hall, W. P.,         | Mo.   |
| Brown, Wm. G.,      | Va.   | Duncan, Daniel,     | O.    | Hammons, David,      | Me.   |
| Buckner, Aylett,    | Ky.   | Duncan, Garnett,    | Ky.   | Hampton, J. G.,      | N. J. |
| Burt, Armistead,    | S. C. | Dunn, Geo. G.,      | Ind.  | Hampton, Moses,      | Pa.   |
| Butler, Chester,    | Pa.   | Eckert, George N.,  | Pa.   | Haralson, H. A.,     | Ga.   |
| Cabell, E. C.,      | Fl.   | Edsall, Joseph E.,  | N. J. | Harmanson, J. H.,    | La.   |
| Canby, Richard S.,  | O.    | Edwards, Thos. O.,  | O.    | Harris, S. W.,       | Ala.  |
| Cathcart, Chas. W., | Ind.  | Embree, Elisha,     | Ind.  | Haskell, Wm. T.,     | Tenn. |

|                      |       |                      |       |                      |       |
|----------------------|-------|----------------------|-------|----------------------|-------|
| Henley, Thos. J.,    | Ind.  | M'Clelland, R.,      | Mich. | Simpson, R. F.,      | S. C. |
| Henry, William,      | Vt.   | M'Clernand, J. A.,   | Ill.  | Sims, Alex. D.,      | S. C. |
| Hill, H. L. W.,      | Tenn. | M'Dowell, James,     | Va.   | Slingerland, J. J.,  | N. Y. |
| Hilliard, H. W.,     | Ala.  | M'Ilvaine, A. R.,    | Pa.   | Smart, Ephraim K.,   | Me.   |
| Holmes, E. B.,       | N. Y. | M'Kay, James J.,     | N. C. | Smith, Caleb B.,     | Ind.  |
| Holmes, Isaac E.,    | S. C. | Meade, Richard K.,   | Va.   | Smith, Robert,       | Ill.  |
| Houston, Geo. S.,    | Ala.  | Miller, John K.,     | O.    | Smith, Truman,       | Ct.   |
| Houston, John W.,    | Del.  | Morehead, Chas. S.,  | Ky.   | Stanton, Fred. P.,   | Tenn. |
| Hubbard, S. D.,      | Ct.   | Morris, Jonathan D., | O.    | Starkweather, G. A., | N. Y. |
| Hudson, Charles,     | Ms.   | Morse, Isaac E.,     | La.   | Stephens, A. H.,     | Ga.   |
| Hunt, Wash.,         | N. Y. | Mullin, Joseph,      | N. Y. | Stewart, Andrew,     | Pa.   |
| Inge, Samuel W.,     | Ala.  | Murphy, H. C.,       | N. Y. | St. John, D. B.,     | N. Y. |
| Ingersoll, Chas. J., | Pa.   | Nelson, William,     | N. Y. | Strohm, John,        | Pa.   |
| Ingersoll, Jos. R.,  | Pa.   | Nes, Henry,          | Pa.   | Strong, William,     | Pa.   |
| Irvin, Alexander,    | Pa.   | Newell, Wm. A.,      | N. J. | Stuart, Chas. E.,    | Mich. |
| Iverson, Alfred,     | Ga.   | Nicoll, Henry,       | N. Y. | Sylvester, P. H.,    | N. Y. |
| Jamieson, John,      | Mo.   | Outlaw, David,       | N. C. | Tallmadge, F. A.,    | N. Y. |
| Jenkins, Timothy,    | N. Y. | Palfrey, John G.,    | Ms.   | Taylor, John L.,     | O.    |
| Johnson, A.,         | Tenn. | Peaslee, Chas. H.,   | N. H. | Thibodeaux, B. G.,   | La.   |
| Johnson, Jas. H.,    | N. H. | Peck, Lucius B.,     | Vt.   | Thomas, Jas. H.,     | Tenn. |
| Johnson, R. W.,      | Ark.  | Pendleton, John S.,  | Va.   | Thompson, Jacob,     | Miss. |
| Jones, Geo. W.,      | Tenn. | Petrie, George,      | N. Y. | Thompson, James,     | Pa.   |
| Jones, John W.,      | Ga.   | Pettit, John,        | Ind.  | Thompson, John B.,   | Ky.   |
| Kaufman, D. S.,      | Tex.  | Peyton, Samuel O.,   | Ky.   | Thompson, R. A.,     | Va.   |
| Kellogg, O. D.,      | N. Y. | Phelps, John S.,     | Mo.   | Thompson, R. W.,     | Ind.  |
| Kennon, William,     | O.    | Pilsbury, Timothy,   | Tex.  | Thompson, Wm.,       | Iowa. |
| King, Daniel P.,     | Ms.   | Pollock, James,      | Pa.   | Thurston, B. B.,     | R. I. |
| King, Thomas B.,     | Ga.   | Preston, Wm. B.,     | Va.   | Tompkins, P. W.,     | Miss. |
| Lahm, Samuel,        | O.    | Putnam, Harvey,      | N. Y. | Toombs, Robert,      | Ga.   |
| La Sere, Emile,      | La.   | Reynolds, G. O.,     | N. Y. | Tuck, Amos,          | N. H. |
| Lawrence, Sidney,    | N. Y. | Rhett, R. Barnwell,  | S. C. | Turner, Thos. J.,    | Ill.  |
| Lawrence, W. T.,     | N. Y. | Richardson, W. A.,   | Ill.  | Van Dyke, John,      | N. J. |
| Leffler, Shepherd,   | Iowa. | Richey, Thomas,      | O.    | Venable, A. W.,      | N. C. |
| Levin, Lewis C.,     | Pa.   | Robinson, J. L.,     | Ind.  | Vinton, Samuel F.,   | O.    |
| Ligon, Thos. W.,     | Md.   | Rockhill, William,   | Ind.  | Wallace, Daniel,     | S. C. |
| Lincoln, Abraham,    | Ill.  | Rockwell, John A.,   | Ct.   | Warren, Cornelius,   | N. Y. |
| Lord, Fred. W.,      | N. Y. | Rockwell, Julius,    | Ms.   | Wentworth, John,     | Ill.  |
| Lumpkin, John H.,    | Ga.   | Roman, J. Dixon,     | Md.   | White, Hugh,         | N. Y. |
| Lynde, Wm. Pitt,     | Wis.  | Root, Jos. M.,       | O.    | Wick, William W.,    | Ind.  |
| Maclay, Wm. B.,      | N. Y. | Rose, Robert L.,     | N. Y. | Wiley, James S.,     | Me.   |
| Mann, Horace,        | Ms.   | Rumsey, David,       | N. Y. | Williams, Hez.,      | Me.   |
| Mann, Job,           | Pa.   | Sawyer, William,     | O.    | Wilmot, David,       | Pa.   |
| Marsh, George P.,    | Vt.   | Schenck, Robert,     | O.    | Wilson, James,       | N. H. |
| Marvin, Dudley,      | N. Y. | Shepperd, A. H.,     | N. C. | Winthrop, R. C.,     | Ms.   |
| McLane, Rob. M.,     | Md.   | Sherrill, Eliakim,   | N. Y. | Woodward, J. A.,     | S. C. |



## VIII. COMMERCE AND NAVIGATION.

## 1. VALUE OF DIFFERENT ARTICLES IMPORTED.

*Value of Goods, Wares, and Merchandise imported into the United States from July 1 to November 30, 1846.*

| Species of Merchandise.          | Value.    | Species of Merchandise.           | Value.    |
|----------------------------------|-----------|-----------------------------------|-----------|
| <b>FREE OF DUTY.</b>             |           | <i>Grass.</i>                     |           |
| <i>Bullion.</i>                  |           | Cloth and carpeting, not speci-   |           |
| Gold,                            | \$22,823  | fied,                             | \$12,136  |
| Silver,                          | 36,952    | Matting and mats,                 | 34,167    |
| <i>Specie.</i>                   |           | Wire, brass, copper, and plated,  | 5,593     |
| Gold,                            | 398,417   | Arms, fire and side,              | 91,572    |
| Silver,                          | 905,659   | <i>Manufactures of</i>            |           |
| Teas,                            | 1,477,730 | Iron and steel,                   | 1,704,856 |
| Coffee,                          | 3,318,719 | Copper,                           | 65,929    |
| <i>Copper.</i>                   |           | Brass,                            | 51,078    |
| In plates and sheets,            | 427,361   | Tin,                              | 5,946     |
| In pigs, bars, and old,          | 596,459   | Other metals,                     | 14,258    |
| Brass, in pigs, bars, and old,   | 56,929    | Saddlery,                         | 96,579    |
| Dye-wood, in sticks,             | 136,514   | <i>Manufactures of</i>            |           |
| Barilla,                         | 27,939    | Leather, not specified,           | 54,091    |
| Burr-stones, unwrought,          | 36,734    | Wood,                             | 139,873   |
| Crude brimstone,                 | 193,521   | <i>Glass.</i>                     |           |
| All other articles,              | 1,604,419 | Above 22 and 14 inches,           | 69,157    |
| Total,                           | 9,240,176 | Silvered, framed, and other,      | 133,930   |
| <b>MERCHANDISE PAYING DUTIES</b> |           | <i>Hats and Bonnets.</i>          |           |
| <b>AD VALOREM.</b>               |           | Leghorn, straw, chip, &c.,        | 109,838   |
| <i>Manufactures of Wool.</i>     |           | Palm-leaf,                        | 14,175    |
| Cloths and cassimeres,           | 1,557,974 | <i>Wares.</i>                     |           |
| Merino shawls of wool,           | 150,001   | China and porcelain,              | 106,303   |
| Blankets, not above 75 cents     |           | Earthen and stone,                | 833,146   |
| each,                            | 110,523   | Plated and gilt,                  | 61,889    |
| Blankets, above 75 cents each,   | 218,308   | Japanned,                         | 13,300    |
| Worsted stuffs,                  | 1,454,452 | <i>Furs.</i>                      |           |
| Hosiery, gloves, mits, &c.       | 465,658   | Undressed, on the skin,           | 79,336    |
| Woollen and worsted yarn,        | 49,676    | Hats, caps, and muffs,            | 4,414     |
| Other articles,                  | 449,294   | Hatters' and other,               | 104,967   |
| <i>Manufactures of Cotton.</i>   |           | Hair-cloth and seating,           | 44,792    |
| Dyed, printed, or colored,       | 2,479,883 | Brushes, of all kinds,            | 35,507    |
| White or uncolored,              | 208,904   | Paper hangings,                   | 6,654     |
| Velvets, cords, moleskins, &c.   | 115,084   | Slates of all kinds,              | 46,559    |
| Twist, yarn, or thread,          | 145,689   | Black-lead pencils,               | 5,288     |
| Hosiery, gloves, mits, &c.,      | 394,241   | Copper bottoms, cut round, &c.,   | 3,497     |
| Other manufactures,              | 236,720   | Zinc, in plates,                  | 43,622    |
| Silk and worsted goods,          | 885,630   | Chronometers and clocks,          | 11,392    |
| Camlets and mohair goods,        | 15,737    | Watches and parts of watches,     | 525,096   |
| Silks, floss, &c.,               | 912,898   | Gold and silver, manufactures of, | 11,672    |
| <i>Lace.</i>                     |           | Jewelry,                          | 66,312    |
| Thread and cotton,               | 370,028   | Quicksilver,                      | 140,192   |
| Gold and silver, &c.,            | 24,469    | Buttons, metal and other,         | 106,107   |
| <i>Flax.</i>                     |           | Teas, imported from places other  |           |
| Linens, bleached and other,      | 1,039,811 | than those of their growth and    |           |
| Other articles,                  | 203,598   | production,                       | 3,775     |
| <i>Hempen Goods.</i>             |           | Coffee, so imported,              | 7,119     |
| Sheetings, brown and white,      | 14,021    | Corks,                            | 45,658    |
| Tickenburgs, osenaburgs, and     |           | Quills,                           | 3,663     |
| burlaps,                         | 45,475    | <i>Wood, unmanufactured.</i>      |           |
| Other articles,                  | 134,494   | Mahogany and rose,                | 133,526   |
| <i>Clothing.</i>                 |           | <i>Wool, unmanufactured.</i>      |           |
| Ready made,                      | 35,226    | Not over 7 cents per pound,       | 300,657   |
| Other articles of wear,          | 185,277   | Over 7 cents per pound,           | 4,692     |
|                                  |           | <i>Articles not enumerated.</i>   |           |
|                                  |           | At 1 per cent.,                   | 129,808   |
|                                  |           | At 2½ " "                         | 1,152,267 |

| Species of Merchandise.                    | Value.      | Species of Merchandise.            | Value.   |
|--|-------------|------------------------------------|----------|
| <i>Articles not enumerated.</i>            |             | <i>Fruits.</i>                     |          |
| At 5 per cent.,                            | \$1,333,727 | Prunes,                            | \$25,657 |
| At 7 " "                                   | 7,315       | Figs,                              | 18,933   |
| At 7½ " "                                  | 32,135      | Dates,                             | 2,997    |
| At 10 " "                                  | 89,939      | Raisins,                           | 262,783  |
| At 12½ " "                                 | 8,759       | Nuts, except those used for dye-   |          |
| At 15 " "                                  | 154,206     | ing,                               | 14,951   |
| At 20 " "                                  | 999,441     | <i>Spices.</i>                     |          |
| At 25 " "                                  | 478,477     | Mace,                              | 699      |
| At 30 " "                                  | 344,477     | Nutmegs,                           | 148,341  |
| At 35 " "                                  | 19,955      | Cinnamon,                          | 5        |
| Total,                                     | 22,006,890  | Cloves,                            | 18,478   |
| <i>MERCHANDISE PAYING SPECIFIC DUTIES.</i> |             | Pepper, black,                     | 49,523   |
| <i>Silks.</i>                              |             | Cayenne pepper,                    | 3,406    |
| Sewing silk, silk twist, &c.,              | 114,850     | Pimento,                           | 10,645   |
| Pongees, plain white, &c.,                 | 4,306,657   | Cassia,                            | 14,306   |
| Raw silk,                                  | 88,450      | Ginger,                            | 6,930    |
| Silk shoes or slippers, &c.,               | 1,249       | Camphor,                           | 7,857    |
| Silk hats and bonnets,                     | 12,247      | Cheese,                            | 1,403    |
| <i>Woolens.</i>                            |             | Pearl barley,                      | 511      |
| Flannels,                                  | 28,979      | Beef and pork,                     | 1,309    |
| Baizes,                                    | 14,509      | Hams and bacon,                    | 1,090    |
| <i>Carpeting.</i>                          |             | Bristles,                          | 166,230  |
| Wilton and Saxony,                         | 16,366      | Saltpetre,                         | 6        |
| Brussels,                                  | 57,397      | Indigo,                            | 220,373  |
| Venetian and other ingrained,              | 9,502       | Wood or pastel,                    | 827      |
| Sail duck,                                 | 97,940      | Ivory black,                       | 67       |
| Floor-cloth, patent, &c.,                  | 985         | Opium,                             | 66,161   |
| Oil-cloth, furniture and other,            | 4,729       | Glue,                              | 71       |
| <i>Wines, in casks, bottles, &amp;c.,</i>  |             | Gunpowder,                         | 11       |
| Madeira,                                   | 128,613     | Bleaching powder,                  | 31,159   |
| Sherry,                                    | 26,194      | Cotton,                            | 724      |
| Champagne,                                 | 187,109     | Thibet, Angora, and other goats'   |          |
| Burgundy,                                  | 1,387       | hair,                              | 4,618    |
| Port,                                      | 62,851      | Cigars,                            | 645,389  |
| Claret, and other French wines,            | 334,754     | Dry ochre, and in oil,             | 4,094    |
| White, of France,                          | 102,552     | Red and white lead,                | 1,243    |
| White, of Portugal,                        | 174,794     | <i>Cordage.</i>                    |          |
| Red, of Portugal,                          | 125,616     | Tarred and cable,                  | 21,237   |
| Teneriffe,                                 | 2,226       | Untarred and yarn,                 | 1,686    |
| Of Spain,                                  | 20,040      | Twine and packthread,              | 26,210   |
| Of Sicily,                                 | 8,933       | Selines,                           | 446      |
| Other Mediterranean,                       | 20,770      | Hemp,                              | 26,930   |
| Of Germany,                                | 10,141      | Manilla, sun, and other hemp of    |          |
| All other,                                 | 28,122      | India,                             | 44,914   |
| <i>Foreign Distilled Spirits.</i>          |             | Jute, sisal-grass, coir, &c., used |          |
| Brandy,                                    | 355,451     | as hemp for cordage,               | 12,268   |
| From grain,                                | 86,073      | Cordilla, or tow of hemp or flax,  | 22,218   |
| From other materials,                      | 28,862      | Flax, unmanufactured,              | 13,573   |
| Cordials,                                  | 49,867      | Rags of all kinds,                 | 145,724  |
| Beer, ale, and porter,                     | 45,335      | <i>Manufactures of Glass.</i>      |          |
| Vinegar,                                   | 1,341       | Watch-crystals and spectacle-      |          |
| Molasses,                                  | 651,253     | glasses,                           | 5,711    |
| <i>Oil.</i>                                |             | Cut glass,                         | 4,112    |
| Olive, in casks,                           | 9,199       | Plain or pressed, over 8 oz.,      | 2,714    |
| Linseed,                                   | 6,606       | Plain or pressed, 8 oz. or und.,   | 1,480    |
| All other,                                 | 3,099       | Plain tumblers,                    | 398      |
| Cocoa,                                     | 53,697      | Cylinder,                          | 1,469    |
| Chocolate,                                 | 226         | Crown,                             | 2,266    |
| <i>Sugar.</i>                              |             | Polished plate,                    | 9,454    |
| Brown,                                     | 1,324,403   | Apothecaries' vials,               | 639      |
| White clayed,                              | 49,439      | Bottles,                           | 28,650   |
| Loaf and other refined,                    | 35          | Demijohns,                         | 797      |
| <i>Fruits.</i>                             |             | Patent sheathing metal,            | 4,127    |
| Almonds,                                   | 43,669      | <i>Pins.</i>                       |          |
| Currants,                                  | 15,230      | Solid-headed, in packs of 5,000    |          |
|  |             | each,                              | 2,821    |
|  |             | Pound pins,                        | 1,019    |
|  |             | Muskets and rifles,                | 2,102    |

| Species of Merchandise.                | Value.   | Species of Merchandise.            | Value.     |
|--|----------|------------------------------------|------------|
| <i>Wire.</i>                           |          | <i>Iron.</i>                       |            |
| Iron and steel, cap and bonnet,        | \$ 3,682 | Bar, manufactured by rolling,      | \$ 434,316 |
| All other,                             | 7,335    | Bar, manufactured otherwise,       | 588,322    |
| <i>Manufactures of Iron.</i>           |          | Steel,                             | 462,478    |
| Tacks, brads, and sprigs,              | 104      | <i>Leather.</i>                    |            |
| Wood screws,                           | 5,466    | Sole and upper,                    | 2,872      |
| Nails, cut and wrought,                | 18,272   | Gloves,                            | 478,198    |
| Spikes,                                | 110      | Boots and shoes,                   | 15,298     |
| Chain-cables,                          | 21,873   | <i>Skins.</i>                      |            |
| Chains, other than cables,             | 3,025    | Tanned and dressed,                | 30,201     |
| Wrought iron, for ships, loco-         |          | Tanned and not dressed,            | 2,556      |
| motives, &c.,                          | 1,175    | <i>Paper.</i>                      |            |
| Malleable iron castings,               | 213      | Writing,                           | 8,541      |
| <i>Manufactures of Iron and Steel.</i> |          | All other,                         | 16,128     |
| Mill, cross-cut, and pit saws,         | 3,885    | <i>Books.</i>                      |            |
| Anchor,                                | 1,477    | Printed 40 years before im-        |            |
| Anvils,                                | 24,824   | portation,                         | 6,607      |
| Blacksmiths' hammers and               |          | In Latin and Greek,                | 5,622      |
| sledges,                               | 4,686    | In Hebrew,                         | 10,159     |
| <i>Castings.</i>                       |          | In English,                        | 31,606     |
| Of vessels,                            | 6,063    | In other languages,                | 43,203     |
| All other,                             | 1,950    | In pamphlets and sheets,           | 1,728      |
| Glazed tinned hollow ware,             | 11,614   | Lexicons and all other,            | 2,255      |
| Sad-irons, hatters' and tailors'       |          | Coal,                              | 157,636    |
| irons,                                 | 145      | Salt,                              | 210,213    |
| Cast iron butt-hinges,                 | 11,411   | Potatoes,                          | 4,736      |
| Axletrees, or parts thereof,           | 1,332    | <i>Fish.</i>                       |            |
| Braziers' rods, from 3.16 to           |          | Dried or smoked,                   | 9,629      |
| 10.16 inches diameter,                 | 571      | Pickled,                           | 63,552     |
| Nail or spike rods, slit, rolled,      |          | Articles not enumerated,           | 16,963     |
| or hammered,                           | 15       | <i>Value of merchandise paying</i> |            |
| Sheet and hoop iron,                   | 70,660   | <i>specific duties,</i>            | 13,717,044 |
| Casement rods, band, scroll,           |          | <i>Do. ad valorem,</i>             | 22,006,890 |
| &c.,                                   | 2,540    | <i>Do. free of duty,</i>           | 9,240,176  |
| <i>Iron.</i>                           |          | <i>Total,</i>                      | 44,964,110 |
| In pigs,                               | 82,398   |                                    |            |
| Old and scrap,                         | 5,831    |                                    |            |

*Value of Goods, Wares, and Merchandise imported into the United States from December 1, 1846, to July 1, 1847.*

| Species of Merchandise.              | Value.            | Species of Merchandise.         | Value.     |
|--------------------------------------|-------------------|---------------------------------|------------|
| <b>FREE OF DUTY.</b>                 |                   | Blankets,                       | \$ 475,083 |
| <i>Bullion.</i>                      |                   | Hosiery and articles made on    |            |
| Gold,                                | \$ 128,926        | frames,                         | 156,022    |
| Silver,                              | 34,971            | Worsted stuff goods,            | 1,469,550  |
| <i>Specie.</i>                       |                   | Woollen and worsted yarn,       | 79,157     |
| Gold,                                | 21,024,765        | Woollen and worsted, embroi-    |            |
| Silver,                              | 1,568,776         | dered, &c.,                     | 4,524      |
| Teas,                                | 2,800,733         | Manufactures of, not specified, | 391,591    |
| Coffee,                              | 5,784,053         | Flannels,                       | 21,231     |
| <i>Copper.</i>                       |                   | Baizes,                         | 51,918     |
| In plates, for sheathing ships,      | 616,211           | <i>Carpeting.</i>               |            |
| Cotton, unmanufactured,              | 3,625             | Wilton, Saxony, and Aubusson,   | 3,173      |
| Adhesive felt for sheathing ves'sls, | 2,107             | Brussels, Turkey, and treble    |            |
| Plaster unground,                    | 22,760            | ingrained,                      | 196,869    |
| Produce of U. S. brought back,       | 186,745           | Venetian and other ingrained,   | 4,557      |
| All other articles,                  | 368,788           | Not specified,                  | 2,017      |
| <b>Total,</b>                        | <b>32,532,460</b> | <i>Manufactures of Cotton.</i>  |            |
| <b>MERCHANDISE PAYING DUTIES</b>     |                   | Printed, stained, or colored,   | 7,543,535  |
| <b>AD VALOREM.</b>                   |                   | White or uncolored,             | 2,422,075  |
| <i>Manufactures of Wool, &amp;c.</i> |                   | Tamboured, cords, gimps, &c.,   | 171,325    |
| Cloths and cassimeres,               | 2,969,768         | Velvets, and hatters' plush,    | 87,899     |
| Merino shawls of wool,               | 590,714           | Hos'y and art. made on frames,  | 779,583    |
|                                      |                   | Twist, yarn, and thread,        | 365,447    |
|                                      |                   | Manufactures of, not specified, | 242,490    |

| Species of Merchandise.                    | Value.       | Species of Merchandise.                                       | Value.    |
|--|--------------|---|-----------|
| <i>Manufactures of Silk.</i>               |              | <i>Copper, and Manufactures of.</i>                           |           |
| Piece goods,                               | \$ 4,534,487 | In pigs, bars, and old,                                       | \$ 94,750 |
| Hosiery and articles made on frames,       | 201,759      | Wire and screws,  | 1,423     |
| Sewing-silk,                               | 340,196      | Braziers' and copper bottoms,                                 | 3,341     |
| Articles tamboured, hats and bonnets,      | 579,342      | Manufactures of, not specified,                               | 82,966    |
| Manufactures not specified,                | 712,335      | <i>Brass, and Manufactures of.</i>                            |           |
| Floss,                                     | 12           | In pigs, bars, and old,                                       | 134       |
| Raw,                                       | 161,624      | Wire and screws,  | 2,374     |
| Bolting cloths,                            | 18,600       | Manufactures of, not specified,                               | 87,313    |
| Silk and worsted goods,                    | 1,079,465    | <i>Tin.</i>   |           |
| Camlets of goats' hair or mohair,          | 7,995        | In pigs and bars,   | 263,885   |
| <i>Manufactures of Flax.</i>               |              | In plates and sheets,   | 600,951   |
| Linens, bleached and unbl.,                | 3,563,369    | Foil,   | 10,647    |
| Hosiery and articles made on frames,       | 318          | Manufactures of, not specified,                               | 8,754     |
| Articles tamboured, or embroidered,        | 110          | <i>Lead.</i>  |           |
| Manufactures not specified,                | 347,631      | Pig, bar, shot, and pipes,                                    | 3,271     |
| <i>Manufactures of Hemp.</i>               |              | Manufactures of, not specified,                               | 2,164     |
| Sheetings, ticklenburgs, osaburgs, &c.,    | 224,539      | <i>Pewter, manufactures of,</i>                               | 1,188     |
| Articles not specified,                    | 50,362       | <i>Manufactures of gold and silver.</i>                       |           |
| Sail duck,                                 | 107,653      | Laces, galloons, tassels, &c.,                                | 13,262    |
| Cotton bagging,                            | 10,396       | Epaulettes and wings,   | 570       |
| <i>Clothing.</i>                           |              | Gold and silver leaf,   | 88        |
| Ready made,                                | 36,209       | Jewelry,  | 47,565    |
| Articles of wear,                          | 419,750      | Gems, pearls, &c., set or not,                                | 68,340    |
| Laces, thread, cotton, braids, &c.,        | 398,514      | Manufactures of, not specified,                               | 18,017    |
| Floor-cloth, patent, painted, &c.,         | 4,835        | Glaziers' diamonds,   | 75        |
| Oil-cloth of all kinds,                    | 19,271       | Clocks,   | 11,842    |
| Hair-cloth and hair-seating,               | 68,201       | Chronometers,   | 7,416     |
| Lasting and mohair cloth for shoes, &c.,   | 46,060       | Watches and parts of watches,                                 | 780,224   |
| Matting, Chinese and others of flags, &c., | 66,657       | Metallic pens,  | 22,535    |
| <i>Hats, caps, bonnets, &amp;c., of</i>    |              | Square wire for umbrellas,                                    | 4,876     |
| Leghorn, straw, grass, chip, &c.,          | 781,181      | Pins in packs and otherwise,                                  | 9,686     |
| Palm-leaf, whalebone, &c.,                 | 28,166       | Buttons, metal and other,                                     | 172,543   |
| <i>Manufactures of Iron and Steel.</i>     |              | <i>Glass.</i>   |           |
| Muskets and rifles,                        | 2,395        | Silvered, paintings, &c., and manufactures of, not specified, | 298,736   |
| Arms, fire and side,                       | 102,008      | Polished plates,  | 110,477   |
| Other articles,                            | 2,296,589    | Watch-crystals and spectacle-glasses,                         | 9,551     |
| Bonnet-wire,                               | 3,794        | Apothecaries' vials,  | 933       |
| All other,                                 | 8,825        | Bottles,  | 25,014    |
| Nails,                                     | 52,903       | Demi-johns,   | 15,716    |
| Spikes,                                    | 265          | Window-glass,   | 76,079    |
| Chain-cables,                              | 207,802      | <i>Manufactures of Paper.</i>                                 |           |
| Mill, cross-cut, and pit saws,             | 490          | Writing,  | 42,150    |
| Anchors and parts thereof,                 | 18,665       | Bank-note and copper-plate,                                   | 18,414    |
| Anvils and parts thereof,                  | 64,871       | Binders' boards, box and sheathing,                           | 1,497     |
| Smiths' hammers and sledges,               | 1,356        | Papier mache,   | 21,364    |
| Castings, vessels of,                      | 4,638        | Paper hangings,   | 59,051    |
| " all other,                               | 9,218        | Fancy boxes, &c.,   | 18,409    |
| Braziers' rods from 3.16 to 10.16 inches,  | 16,349       | Manufactures of, not specified,                               | 8,646     |
| Nail-rods, slit, rolled, or hammered,      | 7,994        | Blank books,  | 1,351     |
| Band or scroll, slit, rolled, or hammered, | 3,736        | <i>Books printed.</i>   |           |
| Sheet and hoop iron,                       | 399,042      | In Hebrew,  | 344       |
| Pig iron,                                  | 472,068      | In Latin and Greek,   | 9,240     |
| Old and scrap,                             | 34,868       | In English,   | 134,894   |
| Bar manufactured by rolling,               | 1,695,173    | In other languages,   | 41,007    |
| Bar manufactured otherwise,                | 266,368      | Illustrated periodicals, &c.,                                 | 3,472     |
| <i>Steel.</i>                              |              | <i>Leather.</i>   |           |
| Cast, shear, and German,                   | 529,782      | Tanned bend and sole,   | 347       |
| All other,                                 | 134,196      | Tanned and dressed upper,                                     | 12,990    |
|  |              | Skins, tanned and dressed,                                    | 95,617    |
|  |              | " tanned and not dressed,                                     | 2,637     |
|  |              | Skivers,  | 18,016    |
|  |              | <i>Manufactures of Leather.</i>                               |           |
|  |              | Boots and shoes,  | 12,099    |
|  |              | Gloves,   | 285,039   |
|  |              | Manufactures of, not specified,                               | 50,867    |

| Species of Merchandise.                               | Value.       | Species of Merchandise.                               | Value.      |
|---|--------------|---|-------------|
| <b>Wares.</b>   |              | <b>Cordials,</b>                                      | \$ 9,128    |
| China, porcelain, earthen, and stone,                 | \$ 1,302,792 | <b>Beer, Ale, and Porter.</b>                         |             |
| Plated or gilt,                                       | 90,673       | In casks,   | 17,092      |
| Japanned, Britannia, and Wedgwood,                    | 46,697       | In bottles,   | 60,915      |
| Silver-plated and silver or plated wire,              | 1,591        | Vinegar,  | 5,181       |
| Saddlery, common tinned, plated, and brass,           | 153,456      | Molasses,   | 2,342,917   |
| <b>Furs.</b>  |              | <b>Oil of Foreign Fisheries.</b>                      |             |
| Undressed, on the skin,                               | 174,643      | Spermaceti, whale, and other fish,                    | 3,539       |
| Hatters' furs, dressed or undressed, not on the skin, | 82,449       | Olive in casks,                                       | 21,045      |
| Dressed, on the skin,                                 | 46,916       | Linseed,  | 349,916     |
| Hats, caps, and manufactures not specified,           | 7,290        | Castor, rapeseed, hempseed, and neat's foot,          |             |
| <b>Wood.</b>  |              | Cocoa,  | 54,967      |
| Manufactures of,                                      | 84,643       | <b>Sugar.</b>   |             |
| Unmanufactured,                                       | 198,543      | Brown,  | 8,090,318   |
| Dye-wood in sticks,                                   | 154,778      | White clayed or powdered,                             | 416,933     |
| Bark of the cork-tree,                                | 57,788       | Loaf and other refined,                               | 66,084      |
| Marble,   | 34,163       | Fruits of all kinds,                                  | 690,049     |
| Quicksilver,  | 3,634        | Spices of all kinds,                                  | 459,922     |
| Brushes and brooms,                                   | 68,995       | Camphor, crude and refined,                           | 19,678      |
| Black-lead pencils,                                   | 10,599       | Candles, wax, tallow, &c.,                            | 254         |
| Slates of all kinds,                                  | 66,811       | Cheese,   | 8,217       |
| Raw hides and skins,                                  | 1,529,948    | Beef and pork,  | 599         |
| Boots and booties of silk and prunella,               | 20           | Hams and other bacon,                                 | 1,790       |
| Shoes and slippers of do.,                            | 13,662       | Bristles,   | 25,243      |
| Grass-cloth,  | 3,370        | Saltpetre, crude and refined,                         | 262,300     |
| Gunny-bags,   | 49,832       | Indigo,   | 474,683     |
| Umbrellas, &c., of silk,                              | 25,004       | Wood or pastel,                                       | 1,172       |
| " " all other,  | 186          | Ivory or bone black,                                  | 4,210       |
| Flaxseed or linseed,                                  | 106,190      | Bleaching powder,                                     | 131,637     |
| Thibet, Angora, and other goats' hair and mohair,     | 1,736        | Cigars,   | 562,512     |
| Wool,   | 250,473      | <b>Paints.</b>  |             |
| <b>Wines in casks.</b>                                |              | Ochre, dry and in oil,                                | 24,203      |
| Madeira,  | 5,717        | Red and white lead,                                   | 30,776      |
| Sherry or San Lucar,                                  | 56,061       | Whiting and Paris white,                              | 2,939       |
| Port,   | 3,791        | Cordage, tarred and untarred,                         | 44,670      |
| Claret,   | 119,844      | Twine and seines,                                     | 29,599      |
| Teneriffe and other Canary,                           | 11,491       | Hemp unmanufactured,                                  | 39,447      |
| Fayal and other Azores,                               | 3            | Manilla, sun, hemp, &c.,                              | 233,761     |
| Sicily and other Mediterranean,                       | 24,230       | Cordilla unmanufactured,                              | 14,792      |
| Austria and other of Germany,                         | 4,779        | Rags of all kinds,                                    | 158,492     |
| Red, not enumerated,                                  | 119,411      | Salt,   | 683,289     |
| White, not enumerated,                                | 69,331       | Coal,   | 213,349     |
| Burgundy in bottles,                                  | 512          | Wheat, barley, rye, and oats,                         | 1,112       |
| Champagne,  | 85,886       | Potatoes,   | 13,717      |
| Madeira,  | 579          | Fish, dried or smoked,                                | 16,062      |
| Sherry,   | 7,829        | " pickled,  | 388,905     |
| Port,   | 1,760        | Merchandise not enumerated,                           | 685,163     |
| Claret,   | 43,788       | At 5 per cent.,                                       | 658,900     |
| All other,  | 12,387       | At 10 " "   | 503,621     |
| <b>Foreign Distilled Spirits.</b>                     |              | At 15 " "   | 323,926     |
| Brandy,   | 575,631      | At 20 " "   | 1,463,674   |
| From grain,   | 143,549      | At 25 " "   | 47,409      |
| From other materials,                                 | 57,806       | At 30 " "   | 825,654     |
|   |              | At 35 " "   | 58,316      |
|   |              | <b>Value of merchandise paying duties ad valorem,</b> | 89,049,068  |
|   |              | " <b>free of duty,</b>                                | 23,532,460  |
|   |              | <b>Total,</b>   | 101,581,528 |

| Year ending June 30, 1846.      |                    | Year ending June 30, 1844.      |                    |
|---------------------------------|--------------------|---------------------------------|--------------------|
| Merchandise at specific duties, | \$ 36,263,605      | Merchandise at specific duties, | \$ 31,352,863      |
| " " ad valorem,                 | 60,660,453         | " " ad valorem,                 | 52,315,291         |
| " " free of duty,               | 24,767,739         | " " free of duty,               | 24,766,881         |
| <b>Total,</b>                   | <b>121,691,797</b> | <b>Total,</b>                   | <b>108,435,035</b> |
| Year ending June 30, 1845.      |                    | Nine mo. ending June 30, 1843.  |                    |
| Merchandise at specific duties, | \$ 36,914,862      | Merchandise at specific duties, | \$ 12,494,340      |
| " " ad valorem,                 | 60,191,862         | " " ad valorem,                 | 16,684,875         |
| " " free of duty,               | 22,147,840         | " " free of duty,               | 35,674,564         |
| <b>Total,</b>                   | <b>119,254,564</b> | <b>Total,</b>                   | <b>64,753,779</b>  |

## 2. EXPORTS OF THE PRODUCE OF THE UNITED STATES.

*Value of the Exports of the Growth, Produce, and Manufacture of the United States, during the two Years ending June 30th, 1847.*

| THE SEA.  |  | Year ending<br>June 30, 1846. | Year ending<br>June 30, 1847. |
|---|--|-------------------------------|-------------------------------|
| <b>Fisheries.</b>   |  |                               |                               |
| Dried fish, or cod fisheries,                                       |  | \$ 699,559                    | \$ 659,629                    |
| Pickled fish, or river fisheries (herring, shad, salmon, mackerel), |  | 230,495                       | 136,221                       |
| Whale and other fish oil,   |  | 946,298                       | 1,070,659                     |
| Spermaceti oil,   |  | 697,570                       | 738,456                       |
| Whalebone,  |  | 583,870                       | 671,601                       |
| Spermaceti candles,   |  | 295,606                       | 191,467                       |
| THE FOREST.   |  |                               |                               |
| Skins and furs,   |  | 1,063,009                     | 747,145                       |
| Ginseng,  |  | 237,562                       | 64,466                        |
| <b>Products of Wood.</b>  |  |                               |                               |
| Staves, shingles, boards, hewn timber,                              |  | 2,319,443                     | 1,849,911                     |
| Other lumber,   |  | 324,979                       | 342,781                       |
| Masts and spars,  |  | 21,682                        | 23,270                        |
| Oak bark and other dye,   |  | 61,382                        | 95,355                        |
| All manufactures of wood,   |  | 957,790                       | 1,495,924                     |
| Naval stores, tar, pitch, rosin, and turpentine,                    |  | 1,085,712                     | 759,221                       |
| Ashes, pot and pearl,   |  | 735,689                       | 618,000                       |
| AGRICULTURE.  |  |                               |                               |
| <b>Products of Animals.</b>   |  |                               |                               |
| Beef, tallow, hides, horned cattle,                                 |  | 2,474,208                     | 2,434,003                     |
| Butter and cheese,  |  | 1,063,087                     | 1,741,770                     |
| Pork (pickled), bacon, lard, live hogs,                             |  | 3,883,884                     | 6,630,842                     |
| Horses and mules,   |  | 382,382                       | 277,359                       |
| Sheep,  |  | 30,303                        | 29,100                        |
| <b>Vegetable Food.</b>  |  |                               |                               |
| Wheat,  |  | 1,681,975                     | 6,049,350                     |
| Flour,  |  | 11,668,669                    | 26,133,811                    |
| Indian corn,  |  | 1,186,663                     | 14,395,212                    |
| Indian meal,  |  | 945,081                       | 4,301,334                     |
| Rye meal,   |  | 138,110                       | 225,502                       |
| Rye, oats, and other small grain and pulse,                         |  | 638,221                       | 1,600,962                     |
| Biscuit, or ship-bread,   |  | 366,688                       | 556,266                       |
| Potatoes,   |  | 69,934                        | 109,062                       |
| Apples,   |  | 69,252                        | 92,961                        |
| Rice,   |  | 2,564,991                     | 3,605,896                     |
| Tobacco,  |  | 8,478,270                     | 7,242,086                     |
| Cotton,   |  | 42,767,341                    | 53,415,848                    |
| Wool,   |  | 203,996                       | 89,460                        |
| <b>All other Agricultural Products.</b>                             |  |                               |                               |
| Flax-seed,  |  | 165,438                       | 1,346                         |
| Hops,   |  | 41,692                        | 150,654                       |
| Brown sugar,  |  | 7,235                         | 25,483                        |
| Indigo,   |  | 90                            | 10                            |
| MANUFACTURES.   |  |                               |                               |
| Soap and tallow candles,  |  | 630,041                       | 606,798                       |
| Leather boots and shoes,  |  | 346,516                       | 243,816                       |
| Household furniture,  |  | 317,407                       | 225,700                       |
| Coaches and other carriages,  |  | 87,712                        | 75,369                        |
| Hats,   |  | 74,722                        | 59,536                        |
| Saddlery,   |  | 24,357                        | 13,102                        |

|   | Year ending<br>June 30, 1846. | Year ending<br>June 30, 1847. |
|---|-------------------------------|-------------------------------|
| Wax, . . . . .  | \$ 162,790                    | \$ 161,527                    |
| Spirits from grain, . . . . .                           | 73,716                        | 67,781                        |
| Beer, ale, porter, and cider, . . . . .                 | 67,735                        | 68,114                        |
| Snuff and tobacco, . . . . .                            | 695,914                       | 658,950                       |
| Linseed oil and spirits of turpentine, . . . . .        | 159,915                       | 498,110                       |
| Cordage, . . . . .                                      | 62,775                        | 27,054                        |
| Iron. . . . .   |                               |                               |
| Pig, bar, and nails, . . . . .                          | 122,225                       | 168,817                       |
| Castings, . . . . .                                     | 107,905                       | 68,889                        |
| All manufactures of, . . . . .                          | 921,652                       | 929,778                       |
| Spirits from molasses, . . . . .                        | 268,652                       | 293,609                       |
| Sugar, refined, . . . . .                               | 392,312                       | 124,824                       |
| Chocolate, . . . . .                                    | 2,177                         | 1,653                         |
| Gunpowder, . . . . .                                    | 140,879                       | 88,397                        |
| Copper and brass, . . . . .                             | 62,088                        | 64,980                        |
| Medicinal drugs, . . . . .                              | 200,505                       | 165,793                       |
| <i>Cotton Piece Goods.</i> . . . .                      |                               |                               |
| Printed and colored, . . . . .                          | 380,549                       | 281,320                       |
| White, . . . . .  | 1,978,331                     | 3,345,902                     |
| Nankeen, . . . . .                                      | 848,989                       | 8,794                         |
| Twist, yarn, and thread, . . . . .                      | 81,813                        | 108,132                       |
| All other manufactures of, . . . . .                    | 255,799                       | 338,375                       |
| Flax and hemp, bags and all manufactures of, . . . . .  | 10,765                        | 5,305                         |
| " " cloth and thread, . . . . .                         | 1,364                         | 477                           |
| Wearing apparel, . . . . .                              | 45,140                        | 47,101                        |
| Combs and buttons, . . . . .                            | 35,945                        | 17,026                        |
| Brushes, . . . . .                                      | 3,110                         | 2,967                         |
| Billiard-tables and apparatus, . . . . .                | 1,583                         | 615                           |
| Umbrellas and parasols, . . . . .                       | 2,477                         | 2,150                         |
| Leather and Morocco skins not sold per pound, . . . . . | 26,667                        | 29,856                        |
| Fire-engines and apparatus, . . . . .                   | 9,802                         | 3,443                         |
| Printing presses and type, . . . . .                    | 43,792                        | 17,431                        |
| Musical instruments, . . . . .                          | 25,375                        | 16,997                        |
| Books and maps, . . . . .                               | 63,567                        | 44,751                        |
| Paper and stationery, . . . . .                         | 124,597                       | 88,731                        |
| Paints and varnish, . . . . .                           | 52,182                        | 54,115                        |
| Vinegar, . . . . .                                      | 17,489                        | 9,526                         |
| Earthen and stone ware, . . . . .                       | 6,521                         | 4,758                         |
| <i>Manufactures of.</i> . . . .                         |                               |                               |
| Glass, . . . . .  | 90,860                        | 71,155                        |
| Tin, . . . . .  | 8,902                         | 6,363                         |
| Pewter and lead, . . . . .                              | 10,278                        | 13,694                        |
| Marble and stone, . . . . .                             | 14,234                        | 11,220                        |
| Gold and silver, and gold leaf, . . . . .               | 3,660                         | 4,268                         |
| Gold and silver coin, . . . . .                         | 423,851                       | 62,620                        |
| Artificial flowers and jewelry, . . . . .               | 24,420                        | 3,126                         |
| Molasses, . . . . .                                     | 1,581                         | 26,959                        |
| Trunks, . . . . .                                       | 10,613                        | 5,270                         |
| Brick and lime, . . . . .                               | 12,578                        | 17,623                        |
| Domestic salt, . . . . .                                | 30,520                        | 42,333                        |
| Lead, . . . . .   | 614,518                       | 124,981                       |
| <i>Articles not enumerated.</i> . . . .                 |                               |                               |
| Manufactured, . . . . .                                 | 1,379,566                     | 1,108,984                     |
| Other articles, . . . . .                               | 1,490,303                     | 1,199,276                     |
| Government stores to the army, from New York, . . . . . |                               | 326,800                       |
| Total, . . . . .  | 102,141,893                   | 150,637,464                   |

## 3. IMPORTS FROM AND EXPORTS TO FOREIGN COUNTRIES,

*During the year ending June 30th, 1847.*

|  | Countries. | Value of Imports. | Value of Exports. |                  |             |
|--|------------|-------------------|-------------------|------------------|-------------|
|  |            |                   | Domestic Produce. | Foreign Produce. | Total.      |
| 1 Russia, . . . . .                              |            | \$ 924,673        | \$ 626,332        | \$ 124,116       | \$ 750,450  |
| 2 Prussia, . . . . .                             |            | 7,608             | 182,259           | 19,907           | 202,166     |
| 3 Sweden and Norway, . . . . .                   |            | 613,698           | 391,847           | 28,340           | 420,187     |
| 4 Swedish West Indies, . . . . .                 |            |                   | 110,062           | 3,659            | 113,721     |
| 5 Denmark, . . . . .                             |            | 475               | 198,952           | 4,943            | 203,895     |
| 6 Danish West Indies, . . . . .                  |            | 846,748           | 836,672           | 152,631          | 989,303     |
| 7 Holland, . . . . .                             |            | 1,247,209         | 1,385,398         | 129,936          | 2,015,334   |
| 8 Dutch East Indies, . . . . .                   |            | 894,982           | 91,902            | 108,238          | 200,140     |
| 9 Dutch West Indies, . . . . .                   |            | 279,038           | 217,214           | 16,355           | 233,569     |
| 10 Dutch Guiana, . . . . .                       |            | 59,355            | 43,840            | 383              | 44,228      |
| 11 Belgium, . . . . .                            |            | 948,325           | 2,874,367         | 348,190          | 3,222,557   |
| 12 Hanse Towns, . . . . .                        |            | 3,622,185         | 4,068,413         | 266,225          | 4,334,638   |
| 13 Hanover, . . . . .                            |            |                   | 6,469             |                  | 6,469       |
| 14 England, . . . . .                            |            | 65,170,374        | 70,223,777        | 834,921          | 71,068,698  |
| 15 Scotland, . . . . .                           |            | 1,837,014         | 3,645,460         | 162,013          | 3,807,473   |
| 16 Ireland, . . . . .                            |            | 590,240           | 12,397,698        | 31,488           | 12,429,186  |
| 17 Gibraltar, . . . . .                          |            | 26,969            | 365,360           | 55,026           | 420,386     |
| 18 Malta, . . . . .                              |            |                   | 25,096            | 22,541           | 47,637      |
| 19 British East Indies, . . . . .                |            | 1,646,457         | 237,783           | 135,454          | 373,237     |
| 20 Mauritius, . . . . .                          |            |                   | 36,275            | 1,233            | 37,508      |
| 21 Cape of Good Hope, . . . . .                  |            | 36,041            | 106,172           |                  | 106,172     |
| 22 British West Indies, . . . . .                |            | 947,932           | 3,973,252         | 20,140           | 3,993,392   |
| 23 British Guiana, . . . . .                     |            | 19,125            | 621,903           | 1,816            | 623,719     |
| 24 British Honduras, . . . . .                   |            |                   | 261,398           | 40,519           | 301,917     |
| 25 British American Colonies, . . . . .          |            | 2,343,927         | 5,819,667         | 2,165,876        | 7,985,543   |
| 26 Other British Colonies (Australia), . . . . . |            |                   | 33,289            |                  | 33,289      |
| 27 France on the Atlantic, . . . . .             |            | 23,899,076        | 17,420,385        | 449,046          | 17,869,431  |
| 28 France on the Mediterranean, . . . . .        |            | 1,001,765         | 1,172,146         | 56,041           | 1,228,187   |
| 29 French African Ports, . . . . .               |            |                   | 5,491             |                  | 5,491       |
| 30 French West Indies, . . . . .                 |            | 151,366           | 569,126           | 34,038           | 603,164     |
| 31 French Guiana, . . . . .                      |            | 47,775            | 56,287            | 1,990            | 60,277      |
| 32 Miquelon and French Fisheries, . . . . .      |            | 435               |                   |                  |             |
| 33 Bourbon, . . . . .                            |            |                   | 52,557            |                  | 52,557      |
| 34 Spain on the Atlantic, . . . . .              |            | 274,708           | 770,748           | 10,115           | 780,863     |
| 35 Spain on the Mediterranean, . . . . .         |            | 1,016,551         | 1,188,340         | 41,063           | 1,229,403   |
| 36 Teneriffe and the other Canaries, . . . . .   |            | 61,864            | 15,148            |                  | 15,148      |
| 37 Manila and Philippine Isles, . . . . .        |            | 494,056           | 32,480            | 44,760           | 77,240      |
| 38 Cuba, . . . . .                               |            | 12,394,867        | 6,005,617         | 972,089          | 6,977,706   |
| 39 Porto Rico, . . . . .                         |            | 2,141,929         | 825,079           | 33,965           | 859,064     |
| 40 Portugal, . . . . .                           |            | 283,330           | 56,893            | 1,335            | 58,228      |
| 41 Madeira, . . . . .                            |            | 95,867            | 105,031           | 1,389            | 106,420     |
| 42 Fayal and the Azores, . . . . .               |            | 34,564            | 9,466             | 525              | 9,991       |
| 43 Cape de Verd Islands, . . . . .               |            | 2,399             | 71,064            | 17,948           | 88,932      |
| 44 Italy, . . . . .                              |            | 1,279,936         | 1,056,022         | 93,333           | 1,149,355   |
| 45 Sicily, . . . . .                             |            | 550,988           | 56,899            | 7,218            | 64,117      |
| 46 Sardinia, . . . . .                           |            | 287               | 630,232           | 16,870           | 647,102     |
| 47 Trieste and other Austrian Ports, . . . . .   |            | 187,341           | 1,175,375         | 73,348           | 1,248,723   |
| 48 Turkey, . . . . .                             |            | 577,710           | 61,570            | 65,672           | 127,242     |
| 49 Mexico, . . . . .                             |            | 746,818           | 536,641           | 155,787          | 692,428     |
| 50 Central America, . . . . .                    |            | 80,581            | 73,322            | 23,246           | 96,568      |
| 51 New Granada, . . . . .                        |            | 156,664           | 53,655            | 19,405           | 73,060      |
| 52 Venezuela, . . . . .                          |            | 1,322,496         | 571,474           | 43,739           | 615,213     |
| 53 Brazil, . . . . .                             |            | 7,096,160         | 2,566,938         | 376,840          | 2,943,778   |
| 54 Argentine Republic, . . . . .                 |            | 241,209           | 123,954           | 52,135           | 176,089     |
| 55 Cisplatine Republic, . . . . .                |            | 112,810           | 180,536           | 56,303           | 236,839     |
| 56 Chili, . . . . .                              |            | 1,716,903         | 1,461,347         | 210,263          | 1,671,610   |
| 57 Peru, . . . . .                               |            | 396,223           | 192,978           | 34,559           | 227,537     |
| 58 Republic of Ecuador, . . . . .                |            |                   | 27,253            | 571              | 27,824      |
| 59 China, . . . . .                              |            | 5,583,343         | 1,708,655         | 124,229          | 1,832,884   |
| 60 Hayti, . . . . .                              |            | 1,391,580         | 1,187,017         | 111,756          | 1,298,773   |
| 61 South America generally, . . . . .            |            | 10,500            | 44,427            | 6,213            | 50,640      |
| 62 Asia generally, . . . . .                     |            | 308,481           | 161,679           | 105,665          | 267,344     |
| 63 Africa generally, . . . . .                   |            | 559,842           | 700,431           | 44,499           | 744,930     |
| 64 West Indies generally, . . . . .              |            |                   | 118,137           | 1,539            | 119,676     |
| 65 Pacific Ocean (whaling), . . . . .            |            | 44,588            | 310,187           | 49,867           | 360,074     |
| 66 Sandwich Islands, . . . . .                   |            | 21,039            |                   |                  |             |
| Total, . . . . .                                 |            | 146,545,638       | 150,607,464       | 8,011,158        | 158,648,622 |



**4. TONNAGE OF VESSELS ENGAGED IN FOREIGN TRADE,  
During the Year ending June 30th, 1847.**

|        | Countries.                          | American Tonnage. |           | Foreign Tonnage. |           |
|--------|-------------------------------------|-------------------|-----------|------------------|-----------|
|        |                                     | Entered.          | Cleared.  | Entered.         | Cleared.  |
| 1      | Russia,                             | 6,801             | 4,136     |                  | 1,362     |
| 2      | Prussia,                            | 152               |           | 523              | 5,127     |
| 3      | Sweden and Norway,                  | 1,068             |           | 13,121           | 6,263     |
| 4      | Swedish West Indies,                |                   | 1,667     |                  |           |
| 5      | Denmark,                            |                   | 216       | 717              | 2,274     |
| 6      | Danish West Indies,                 | 22,898            | 22,156    | 2,906            | 4,316     |
| 7      | Holland,                            | 18,562            | 17,744    | 17,293           | 17,143    |
| 8      | Dutch East Indies,                  | 6,583             | 5,370     |                  |           |
| 9      | Dutch West Indies,                  | 14,586            | 4,370     | 113              | 113       |
| 10     | Dutch Guiana,                       | 4,180             | 4,381     |                  |           |
| 11     | Belgium,                            | 28,307            | 26,677    | 20,173           | 18,752    |
| 12     | Hanse Towns,                        | 27,361            | 12,127    | 83,105           | 56,634    |
| 13     | Hanover,                            |                   |           |                  | 246       |
| 14     | England,                            | 426,501           | 457,698   | 325,831          | 300,655   |
| 15     | Scotland,                           | 20,411            | 25,316    | 43,156           | 15,630    |
| 16     | Ireland,                            | 40,366            | 124,600   | 76,903           | 101,067   |
| 17     | Gibraltar,                          | 2,861             | 8,219     | 1,046            | 1,713     |
| 18     | Malta,                              | 221               | 843       |                  | 223       |
| 19     | British East Indies,                | 10,683            | 12,294    |                  | 615       |
| 20     | Mauritius,                          |                   | 1,090     |                  | 307       |
| 21     | Cape of Good Hope,                  | 675               | 2,287     |                  |           |
| 22     | British West Indies,                | 76,981            | 91,900    | 36,792           | 21,172    |
| 23     | British Guiana,                     | 4,675             | 13,492    | 4,484            | 1,853     |
| 24     | British Honduras,                   | 5,736             | 5,946     | 786              | 507       |
| 25     | British American Colonies,          | 670,015           | 667,696   | 500,941          | 528,615   |
| 26     | Other British Colonies (Australia), |                   | 725       |                  |           |
| 27     | France on the Atlantic,             | 126,422           | 147,579   | 27,941           | 18,496    |
| 28     | France on the Mediterranean,        | 13,250            | 13,078    | 1,594            | 4,611     |
| 29     | French West Indies,                 | 15,571            | 22,715    | 6,671            | 2,627     |
| 30     | French Guiana,                      | 1,494             | 1,808     |                  |           |
| 31     | Miquelon and French Fisheries,      |                   | 2,001     |                  | 743       |
| 32     | Bourbon,                            |                   | 1,005     |                  | 487       |
| 33     | Spain on the Atlantic,              | 16,372            | 9,666     | 2,819            | 1,174     |
| 34     | Spain on the Mediterranean,         | 12,460            | 7,266     | 11,260           | 16,326    |
| 35     | Teneriffe and the other Canaries,   | 2,446             | 866       |                  |           |
| 36     | Mantilla and Philippine Isles,      | 5,866             | 3,189     |                  |           |
| 37     | Cuba,                               | 233,256           | 243,515   | 10,756           | 18,493    |
| 38     | Porto Rico,                         | 38,063            | 26,767    | 1,746            | 1,979     |
| 39     | Portugal,                           | 4,182             | 2,637     | 1,203            | 1,883     |
| 40     | Madeira,                            | 1,341             | 3,348     | 1,248            | 1,046     |
| 41     | Fayal and the Azores,               | 1,569             | 1,108     | 330              |           |
| 42     | Cape de Verd Islands,               | 107               | 1,798     |                  | 240       |
| 43     | Sicily,                             | 28,911            | 1,423     | 1,466            | 649       |
| 44     | Tuscany,                            | 5,415             | 1,966     | 500              | 375       |
| 45     | Sardinia,                           | 1,908             | 10,235    | 1,472            | 3,313     |
| 46     | Trieste and other Austrian Ports,   | 3,930             | 7,861     | 1,204            | 5,279     |
| 47     | Turkey,                             | 4,672             | 1,118     | 342              |           |
| 48     | Mexico,                             | 6,497             | 10,716    | 2,903            | 2,155     |
| 49     | Central America,                    | 1,822             | 1,245     |                  |           |
| 50     | New Granada,                        | 822               | 665       | 1,708            | 734       |
| 51     | Venezuela,                          | 13,186            | 10,800    | 728              | 630       |
| 52     | Brazil,                             | 55,616            | 39,281    | 10,233           | 3,267     |
| 53     | Argentine Republic,                 | 693               | 2,237     |                  |           |
| 54     | Cioplantine Republic,               | 3,259             | 3,636     | 1,119            | 786       |
| 55     | Chili,                              | 7,208             | 7,185     | 1,300            | 1,077     |
| 56     | Peru,                               | 919               | 1,208     |                  | 562       |
| 57     | Republic of Ecuador,                |                   |           |                  | 168       |
| 58     | China,                              | 16,601            | 12,334    | 1,174            |           |
| 59     | Hayti,                              | 27,717            | 27,969    | 1,068            | 2,500     |
| 60     | South America generally,            | 275               | 186       | 275              |           |
| 61     | Europe generally,                   |                   | 326       |                  |           |
| 62     | Asia generally,                     | 1,081             | 448       |                  |           |
| 63     | Africa generally,                   | 11,044            | 8,851     | 1,203            | 2,719     |
| 64     | West Indies generally,              |                   | 9,971     |                  |           |
| 65     | Liberia,                            | 428               | 180       |                  |           |
| 66     | Pacific Ocean (whaling),            | 39,042            | 33,068    |                  |           |
| 67     | Atlantic Ocean (whaling),           | 3,546             | 5,175     |                  |           |
| 68     | Indian Ocean (whaling),             | 3,015             | 11,385    |                  |           |
| 69     | Sandwich Islands,                   | 760               | 1,978     |                  |           |
| 70     | Northwest Coast,                    |                   | 2,284     |                  |           |
| Total, |                                     | 2,101,369         | 2,202,283 | 1,220,348        | 1,176,606 |

Whole number of American vessels entered during the year ending

June 30th, 1847, . . . . . 7,730

Whole number of foreign vessels entered, . . . . . 6,499

Total of American and foreign vessels, . . . . . 14,229

Whole number of American vessels cleared, . . . . . 8,102

Whole number of foreign vessels cleared, . . . . . 6,268

Total of American and foreign vessels, . . . . . 14,370

Crews of American vessels entered. Men, 96,860. Boys, 2,665. Total, 99,525.

Crews of foreign vessels entered. Men, 63,609. Boys, 755. Total, 64,364.

Crews of American vessels cleared. Men, 101,266. Boys, 2,529. Total, 103,795.

Crews of foreign vessels cleared. Men, 61,288. Boys, 709. Total, 61,997.

# 5. VESSELS BUILT, AND THE TONNAGE THEREOF, IN THE UNITED STATES,

*From 1815 to 1847, inclusive.*

| Years. | Class of Vessels. |        |                 |                            |           | Total<br>Number of<br>Vessels<br>built. | Total<br>Tonnage.<br>Tons. 95ths. |
|--------|-------------------|--------|-----------------|----------------------------|-----------|---|-----------------------------------|
|        | Ships.            | Brigs. | Schoo-<br>ners. | Sloops and<br>Canal-boats. | Steamers. |   |                                   |
| 1815   | 136               | 224    | 650             | 274                        |           | 1,314                                   | 154,624 39                        |
| 1816   | 76                | 122    | 781             | 424                        |           | 1,403                                   | 131,668 04                        |
| 1817   | 34                | 86     | 559             | 394                        |           | 1,073                                   | 86,393 37                         |
| 1818   | 53                | 85     | 428             | 332                        |           | 898                                     | 82,421 20                         |
| 1819   | 53                | 82     | 473             | 242                        |           | 850                                     | 79,817 86                         |
| 1820   | 21                | 60     | 301             | 152                        |           | 534                                     | 47,794 01                         |
| 1821   | 43                | 89     | 248             | 127                        |           | 507                                     | 55,856 01                         |
| 1822   | 64                | 131    | 260             | 168                        |           | 623                                     | 75,346 93                         |
| 1823   | 55                | 127    | 260             | 165                        | 15        | 622                                     | 75,007 57                         |
| 1824   | 56                | 156    | 377             | 166                        | 26        | 781                                     | 90,939 00                         |
| 1825   | 56                | 197    | 538             | 168                        | 35        | 994                                     | 114,997 25                        |
| 1826   | 71                | 187    | 482             | 227                        | 45        | 1,012                                   | 126,438 35                        |
| 1827   | 58                | 133    | 464             | 241                        | 38        | 934                                     | 104,342 67                        |
| 1828   | 73                | 108    | 474             | 196                        | 33        | 884                                     | 98,375 58                         |
| 1829   | 44                | 68     | 485             | 145                        | 43        | 785                                     | 77,098 65                         |
| 1830   | 25                | 56     | 403             | 116                        | 37        | 637                                     | 58,094 24                         |
| 1831   | 72                | 95     | 416             | 94                         | 34        | 711                                     | 85,962 63                         |
| 1832   | 132               | 143    | 568             | 122                        | 100       | 1,065                                   | 144,539 16                        |
| 1833   | 144               | 169    | 625             | 185                        | 65        | 1,188                                   | 161,626 36                        |
| 1834   | 98                | 94     | 497             | 180                        | 68        | 937                                     | 118,330 37                        |
| 1835   | 25                | 50     | 302             | 100                        | 30        | 507                                     | *46,238 52                        |
| 1836   | 93                | 65     | 444             | 164                        | 124       | 890                                     | 113,627 49                        |
| 1837   | 67                | 72     | 507             | 168                        | 135       | 949                                     | 122,987 22                        |
| 1838   | 66                | 79     | 510             | 153                        | 90        | 898                                     | 113,135 44                        |
| 1839   | 83                | 89     | 439             | 122                        | 125       | 658                                     | 120,968 34                        |
| 1840   | 97                | 109    | 378             | 224                        | 64        | 872                                     | 118,309 23                        |
| 1841   | 114               | 101    | 312             | 157                        | 78        | 762                                     | 118,593 71                        |
| 1842   | 116               | 91     | 273             | 404                        | 137       | 1,021                                   | 129,063 64                        |
| 1843   | 58                | 34     | 138             | 173                        | 79        | 482                                     | *63,617 77                        |
| 1844   | 73                | 47     | 204             | 279                        | 163       | 766                                     | 103,537 29                        |
| 1845   | 124               | 87     | 322             | 342                        | 163       | 1,038                                   | 146,018 02                        |
| 1846   | 100               | 164    | 576             | 355                        | 225       | 1,420                                   | 188,202 93                        |
| 1847   | 151               | 168    | 689             | 392                        | 198       | 1,598                                   | 243,732 67                        |

\* For nine months.

**6. IMPORTS AND EXPORTS OF EACH STATE,  
During the Year ending June 30th, 1847.**

| States.               | Value of Exports. |                  |             | Value of Imports. |                     |             |
|-----------------------|-------------------|------------------|-------------|-------------------|---------------------|-------------|
|                       | Domestic Produce. | Foreign Produce. | Total.      | In Amer. Vessels. | In Foreign Vessels. | Total.      |
| Maine.                | \$1,614,071       | \$20,132         | \$1,634,203 | \$445,745         | \$123,311           | \$574,056   |
| New Hampshire,        | 1,407             | 233              | 1,690       | 13,150            | 3,785               | 16,935      |
| Vermont,              | 231,985           | 282,313          | 514,298     | 239,641           |                     | 239,641     |
| Massachusetts,        | 9,262,777         | 1,985,635        | 11,248,462  | 18,189,238        | 16,287,770          | 34,477,008  |
| Rhode Island,         | 191,434           | 935              | 192,369     | 301,075           | 4,414               | 306,489     |
| Connecticut,          | 598,702           | 490              | 599,192     | 271,870           | 3,953               | 275,823     |
| New York,             | 44,816,480        | 5,027,888        | 49,844,368  | 71,084,398        | 13,082,954          | 84,167,352  |
| New Jersey,           | 18,428            | 700              | 19,128      | 4,066             | 771                 | 4,837       |
| Pennsylvania,         | 8,263,311         | 281,080          | 8,544,391   | 8,843,773         | 743,743             | 9,587,516   |
| Delaware,             | 235,459           |                  | 235,459     | 12,452            | 270                 | 12,722      |
| Maryland,             | 9,632,360         | 129,884          | 9,762,244   | 3,928,643         | 503,671             | 4,432,314   |
| District of Columbia, | 124,269           |                  | 124,269     | 25,049            |                     | 25,049      |
| Virginia,             | 5,645,668         | 12,706           | 5,658,374   | 333,091           | 53,036              | 386,127     |
| North Carolina,       | 284,919           |                  | 284,919     | 136,483           | 5,901               | 142,384     |
| South Carolina,       | 10,428,146        | 3,371            | 10,431,517  | 1,201,911         | 378,747             | 1,580,658   |
| Georgia,              | 5,712,149         |                  | 5,712,149   | 147,514           | 59,666              | 207,180     |
| Florida,              | 1,803,177         | 2,361            | 1,810,538   | 103,180           | 40,116              | 143,298     |
| Alabama,              | 9,054,580         |                  | 9,054,580   | 80,492            | 309,669             | 390,161     |
| Louisiana,            | 41,788,303        | 263,330          | 42,051,633  | 7,437,995         | 1,784,974           | 9,222,969   |
| Mississippi,          |                   |                  |             | 81                | 255                 | 336         |
| Tennessee,            |                   |                  |             | 1,256             |                     | 1,256       |
| Missouri,             |                   |                  |             | 167,195           |                     | 167,195     |
| Ohio,                 | 778,944           |                  | 778,944     | 88,381            | 2,300               | 90,681      |
| Kentucky,             |                   |                  |             | 26,956            |                     | 26,956      |
| Michigan,             | 93,795            |                  | 93,795      | 37,369            | 234                 | 37,603      |
| Illinois,             | 52,100            |                  | 52,100      | 266               |                     | 266         |
| Texas,                |                   |                  |             | 20,087            | 9,739               | 29,826      |
| Total,                | 150,637,464       | 8,011,158        | 158,648,622 | 113,141,357       | 33,404,251          | 146,545,638 |

**7. COMPARATIVE VIEW OF THE TONNAGE OF THE UNITED STATES,  
From 1815 to 1847 inclusive, in Tons.**

| Years. | Registered Tonnage. | Enrolled and Licen'd Tonnage. | Reg. Tonn. in Whale Fishery. | Enrolled and Licensed Coasting Trade. | Cod Fishery. | Mackerel Fishery. | Whale Fishery. |
|--------|---------------------|-------------------------------|------------------------------|---------------------------------------|--------------|-------------------|----------------|
| 1815   | 864,294             | 513,533                       |                              | 435,066                               | 26,570       |                   | 1,229          |
| 1816   | 800,759             | 571,458                       |                              | 479,979                               | 37,879       |                   | 1,168          |
| 1817   | 809,724             | 590,186                       | 4,874                        | 181,457                               | 53,990       |                   | 349            |
| 1818   | 606,088             | 619,095                       | 16,134                       | 503,140                               | 58,551       |                   | 614            |
| 1819   | 612,930             | 647,821                       | 31,700                       | 523,556                               | 65,044       |                   | 686            |
| 1820   | 619,047             | 661,118                       | 35,391                       | 539,080                               | 60,842       |                   | 1,053          |
| 1821   | 619,896             | 679,062                       | 26,070                       | 569,435                               | 51,351       |                   | 1,924          |
| 1822   | 628,150             | 696,543                       | 45,449                       | 573,080                               | 56,405       |                   | 3,133          |
| 1823   | 639,920             | 696,644                       | 39,918                       | 566,408                               | 67,620       |                   | 585            |
| 1824   | 669,972             | 719,190                       | 33,165                       | 589,223                               | 68,419       |                   | 180            |
| 1825   | 700,787             | 722,323                       | 35,379                       | 587,273                               | 70,626       |                   |                |
| 1826   | 737,978             | 796,211                       | 41,757                       | 666,420                               | 63,761       |                   | 226            |
| 1827   | 747,170             | 873,437                       | 45,653                       | 732,937                               | 74,048       |                   | 338            |
| 1828   | 812,619             | 923,772                       | 54,621                       | 758,922                               | 74,945       |                   | 180            |
| 1829   | 650,142             | 610,654                       | 57,284                       | 508,858                               | 101,796      |                   |                |
| 1830   | 576,675             | 615,311                       | 38,911                       | 516,978                               | 61,554       | 35,973            | 792            |
| 1831   | 620,451             | 647,394                       | 82,315                       | 539,723                               | 60,977       | 46,210            | 481            |
| 1832   | 698,959             | 752,460                       | 72,968                       | 649,627                               | 54,027       | 47,427            | 377            |
| 1833   | 750,126             | 856,123                       | 101,158                      | 744,198                               | 62,720       | 48,725            | 478            |
| 1834   | 857,438             | 901,468                       | 108,060                      | 783,618                               | 56,403       | 61,082            | 364            |
| 1835   | 885,821             | 939,118                       | 97,640                       | 792,301                               | 72,374       | 64,443            |                |
| 1836   | 897,774             | 984,328                       | 144,680                      | 873,023                               | 63,307       | 46,424            | 1,573          |
| 1837   | 810,447             | 1,086,238                     | 127,241                      | 956,980                               | 80,551       | 48,810            | 1,894          |
| 1838   | 822,591             | 1,173,047                     | 119,629                      | 1,041,106                             | 70,064       | 56,649            | 5,229          |
| 1839   | 834,244             | 1,262,224                     | 131,845                      | 1,153,551                             | 72,258       | 35,983            | 439            |
| 1840   | 899,764             | 1,280,999                     | 136,926                      | 1,176,694                             | 76,035       | 26,269            |                |
| 1841   | 945,803             | 1,184,940                     | 157,405                      | 1,107,067                             | 66,551       | 11,321            |                |
| 1842   | 975,368             | 1,117,031                     | 151,612                      | 1,045,753                             | 64,804       | 16,096            | 377            |
| 1843   | 1,009,305           | 1,149,297                     | 152,374                      | 1,076,155                             | 61,224       | 11,775            | 142            |
| 1844   | 1,068,764           | 1,211,330                     | 168,293                      | 1,109,614                             | 85,224       | 16,170            | 320            |
| 1845   | 1,085,172           | 1,321,829                     | 190,695                      | 1,190,898                             | 69,625       | 21,413            | 206            |
| 1846   | 1,130,286           | 1,431,798                     | 186,980                      | 1,289,870                             | 72,516       | 36,463            | 439            |
| 1847   | 1,241,312           | 1,597,732                     | 193,868                      | 1,452,623                             | 70,177       | 31,451            |                |

## IX. POST-OFFICE ESTABLISHMENT.

1. *Post-Office Statistics for the Year ending June 30, 1847.*

|  |                 |
|--|-----------------|
| Number of contractors,   | 3,659           |
| Agents and messengers on railroad and steamboat mail-service,  | 186             |
| Number of post-routes,   | 4,318           |
| Increase in aggregate length of routes since July 1, 1845,   | 9,878           |
| Number of post-offices supplied,   | 15,146          |
| Increase of mail transportation since July 1, 1845, in miles,  | 3,253,630       |
| Gross receipts for the year, including \$65,555.55 due by }<br>the Treasury for government postages, | \$ 3,955,893.31 |
| Expenditures for the year,   | 3,979,570.63    |
| The receipts fell short of the expenditures,   | 23,677.32       |

During the year, 829 new post-offices were established, and 284 were discontinued. 2,153 postmasters were appointed in consequence of resignations or deaths; 249 for changes of sites of the offices; 829 to new offices; 216 by removals; 3 where commissions expired, and were not renewed; in all, 3,450.

2. *Table of Mail Service for the Year ending June 30, 1847.\**

| States.         | Length<br>of<br>routes. | Annual Transportation. |                |                              | Total<br>Transporta-<br>tion. | Total<br>Cost. |
|-----------------|-------------------------|------------------------|----------------|------------------------------|-------------------------------|----------------|
|                 |                         | Mode not<br>specified. | In<br>Coaches. | Railroad<br>and<br>St'mboat. |                               |                |
|                 | Miles.                  | Miles.                 | Miles.         | Miles.                       | Miles.                        |                |
| Maine,          | 3,980                   | 805,320                | 271,030        | 70,824                       | 1,147,174                     | \$ 41,964      |
| New Hampshire,  | 2,267                   | 237,068                | 366,880        | 73,632                       | 677,580                       | 25,560         |
| Vermont,        | 2,486                   | 277,056                | 451,804        | 12,100                       | 730,960                       | 26,563         |
| Massachusetts,  | 3,478                   | 414,139                | 636,282        | 867,640                      | 1,918,052                     | 107,392        |
| Rhode Island,   | 383                     | 57,616                 | 78,624         | 30,264                       | 166,504                       | 9,187          |
| Connecticut,    | 1,820                   | 360,541                | 182,520        | 214,088                      | 757,149                       | 45,797         |
| New York,       | 13,222                  | 1,794,328              | 1,715,256      | 1,455,340                    | 4,964,924                     | 229,307        |
| New Jersey,     | 1,980                   | 92,577                 | 427,542        | 223,288                      | 743,407                       | 58,930         |
| Pennsylvania,   | 10,224                  | 886,210                | 1,599,128      | 356,720                      | 2,842,058                     | 155,412        |
| Delaware,       | 549                     | 65,520                 | 84,864         | †                            | 150,384                       | 7,862          |
| Maryland,       | 2,359                   | 230,932                | 306,332        | 391,768                      | 929,032                       | 133,751        |
| Virginia,       | 10,782                  | 1,024,297              | 895,943        | 442,902                      | 2,363,142                     | 192,615        |
| North Carolina, | 7,423                   | 583,088                | 652,900        | 337,272                      | 1,573,260                     | 172,520        |
| South Carolina, | 4,718                   | 418,392                | 382,098        | 229,320                      | 1,029,808                     | 118,157        |
| Georgia,        | 5,761                   | 462,958                | 588,648        | 385,680                      | 1,437,286                     | 153,001        |
| Florida,        | 2,957                   | 88,296                 | 176,406        | 84,240                       | 348,941                       | 45,193         |
| Ohio,           | 11,538                  | 904,713                | 1,598,693      | 632,320                      | 3,135,726                     | 170,295        |
| Michigan,       | 4,255                   | 369,532                | 314,842        | 224,848                      | 909,222                       | 38,211         |
| Indiana,        | 6,760                   | 849,156                | 391,348        | 35,568                       | 1,276,072                     | 52,439         |
| Illinois,       | 8,276                   | 780,266                | 1,325,792      |                              | 2,106,058                     | 102,485        |
| Wisconsin,      | 3,078                   | 281,308                | 132,184        |                              | 413,492                       | 15,043         |
| Iowa,           | 1,641                   | 179,920                | 89,544         |                              | 269,464                       | 9,722          |
| Missouri,       | 7,897                   | 663,520                | 433,680        | 475,696                      | 1,572,896                     | 49,720         |
| Kentucky,       | 7,705                   | 785,252                | 487,916        | 999,648                      | 2,272,816                     | 89,581         |
| Tennessee,      | 6,825                   | 755,756                | 549,952        |                              | 1,305,708                     | 55,298         |
| Alabama,        | 6,553                   | 725,764                | 575,536        | 253,448                      | 1,554,748                     | 136,499        |
| Mississippi,    | 4,217                   | 484,740                | 360,464        | 28,704                       | 873,908                       | 58,451         |
| Arkansas,       | 4,637                   | 512,876                | 68,120         | 55,536                       | 636,532                       | 39,996         |
| Louisiana,      | 3,208                   | 276,640                |                | 205,856                      | 482,496                       | 41,795         |
| Texas,          | 2,766                   | 226,200                | 64,480         | 8,320                        | 299,000                       | 24,102         |
| Total,          | 153,818                 | 15,593,972             | 15,209,005     | 8,084,922                    | 38,887,899                    | 2,406,846      |
| Cost,           |                         | \$ 650,166             | \$ 912,462     | \$ 844,220                   |                               |                |

\* The entire service and pay of the route are set down to the State under which it is numbered, though extending into other States, instead of being divided among the States in which each portion of it lies.

† The steamboat route on Lake Champlain is under a New York number, excepting an occasional service between Burlington and St. John's.

‡ The Baltimore, Wilmington, and Philadelphia railroad is under a Maryland number.

§ Add cost of mail agencies incident to the railroad and steamboat service, and payable under the head of "Transportation," \$ 46,183; making in all, \$ 2,453,031.

3. *Number of Post-Offices, Extent of Post-Roads, and Revenue and Expenditures of the Post-Office Department ; with the Amount paid to Postmasters and for Transportation of the Mail, since 1790.*

| Year.  | No. of Post-Offices. | Extent of Post-Roads. | Revenue of the Department. | Expenditures of the Department. | Amount paid for         |                          |
|--------|----------------------|-----------------------|----------------------------|---------------------------------|-------------------------|--------------------------|
|        |                      | Miles.                |                            |                                 | Compen. of Postmasters. | Transport'n of the Mail. |
| 1790   | 75                   | 1,875                 | \$ 37,935                  | \$ 32,140                       | \$ 8,198                | \$ 22,081                |
| 1795   | 453                  | 13,207                | 160,620                    | 117,893                         | 30,272                  | 75,359                   |
| 1800   | 903                  | 20,817                | 280,804                    | 213,994                         | 69,243                  | 126,644                  |
| 1805   | 1,558                | 31,076                | 421,573                    | 377,367                         | 111,552                 | 289,635                  |
| 1810   | 2,300                | 36,406                | 551,684                    | 495,969                         | 149,438                 | 327,966                  |
| 1815   | 3,000                | 43,748                | 1,043,065                  | 748,121                         | 241,901                 | 487,779                  |
| 1816   | 3,260                | 48,673                | 961,782                    | 804,422                         | 265,844                 | 521,970                  |
| 1817   | 3,459                | 52,089                | 1,002,973                  | 916,515                         | 303,916                 | 569,189                  |
| 1818   | 3,618                | 59,473                | 1,130,235                  | 1,035,832                       | 346,429                 | 664,611                  |
| 1819   | 4,000                | 67,586                | 1,204,737                  | 1,117,861                       | 375,828                 | 717,881                  |
| 1820   | 4,500                | 72,492                | 1,111,927                  | 1,160,926                       | 352,295                 | 782,425                  |
| 1821   | 4,660                | 78,808                | 1,069,087                  | 1,184,283                       | 337,599                 | 816,681                  |
| 1822   | 4,709                | 82,763                | 1,117,490                  | 1,167,572                       | 355,299                 | 788,618                  |
| 1823   | 4,043                | 84,860                | 1,130,115                  | 1,166,995                       | 360,462                 | 787,464                  |
| 1824   | 5,182                | 84,860                | 1,197,758                  | 1,188,019                       | 383,804                 | 768,939                  |
| 1825   | 5,677                | 94,062                | 1,306,525                  | 1,229,043                       | 411,183                 | 785,646                  |
| 1826   | 6,150                | 94,062                | 1,447,703                  | 1,366,712                       | 447,737                 | 885,100                  |
| 1827   | 7,003                | 105,336               | 1,524,633                  | 1,468,969                       | 486,411                 | 942,345                  |
| 1828   | 7,530                | 105,336               | 1,659,915                  | 1,689,945                       | 548,049                 | 1,086,313                |
| 1829   | 8,004                | 115,000               | 1,707,418                  | 1,782,132                       | 559,237                 | 1,153,646                |
| 1830   | 8,450                | 115,176               | 1,850,583                  | 1,932,708                       | 595,234                 | 1,274,009                |
| 1831   | 8,686                | 115,486               | 1,997,811                  | 1,936,122                       | 635,028                 | 1,262,226                |
| 1832   | 9,205                | 104,466               | 2,258,570                  | 2,266,171                       | 715,481                 | 1,482,507                |
| 1833   | 10,127               | 119,916               | 2,617,011                  | 2,930,414                       | 826,283                 | 1,894,638                |
| 1834   | 10,693               | 119,916               | 2,823,749                  | 2,910,605                       | 897,317                 | 1,925,544                |
| 1835   | 10,770               | 112,774               | 2,993,356                  | 2,757,350                       | 945,418                 | 1,719,007                |
| 1836   | 11,091               | 118,264               | 3,408,323                  | 2,841,766                       | 812,803                 | 1,688,062                |
| 1837   | 11,767               | 141,242               | 4,100,605                  | 3,303,428                       | 891,352                 | 1,996,737                |
| 1838   | 12,519               | 134,818               | 4,235,078                  | 4,621,833                       | 933,948                 | 3,131,308                |
| 1839   | 12,780               | 133,999               | 4,477,614                  | 4,654,718                       | 980,000                 | 3,285,622                |
| 1840   | 13,468               | 155,739               | 4,539,265                  | 4,759,110                       | 1,028,925               | 3,296,876                |
| 1841   | 13,778               | 155,026               | 4,379,296                  | 4,443,768                       | 1,018,645               | 3,159,375                |
| 1842   | 13,733               | 149,732               | 4,546,246                  | 4,285,052                       | 1,147,256               | 3,087,796                |
| 1843   | 13,814               | 142,295               | 4,295,925                  | 4,374,713                       | 1,426,394               | 2,947,319                |
| 1844   | 14,103               | 144,687               | 4,237,285                  | 4,297,967                       | 1,358,316               | 2,938,551                |
| 1845   | 14,183               | 143,940               | 4,289,842                  | 4,320,732                       | 1,409,875               | 2,905,504                |
| * 1846 | 14,601               | 152,865               | 3,487,199                  | 4,064,297                       | 1,042,079               | 2,716,673                |
| * 1847 | 15,146               | 153,818               | 3,955,893                  | 3,979,570                       | 1,060,228               | 2,476,455                |

\* The returns for 1846 and 1847 are for the first two years under the *new* law, passed March 3, 1845.

4. *Revenue and Expenditure under the New Law.**Revenue of the Post-Office from 1st July, 1836, to 30th June, 1847.*

| Year ending 30th June.    | Letter Postage. | Newspapers and Pamphlets. | Fines. | Miscellaneous Receipts. | Total Annual Receipts. |
|---------------------------|-----------------|---------------------------|--------|-------------------------|------------------------|
| 1837                      | \$ 3,674,834    | \$ 425,714                | \$ 816 | \$ 135,415              | \$ 4,236,779           |
| 1838                      | 3,776,125       | 458,737                   | 215    | 3,656                   | 4,238,733              |
| 1839                      | 3,976,446       | 500,873                   | 295    | 7,043                   | 4,484,657              |
| 1840                      | 4,003,776       | 535,229                   | 260    | 4,256                   | 4,543,522              |
| 1841                      | 3,812,739       | 566,246                   | 312    | 28,429                  | 4,407,726              |
| 1842                      | 3,953,315       | 572,225                   | 720    | 20,589                  | 4,546,849              |
| 1843                      | 3,738,307       | 543,277                   | 405    | 14,236                  | 4,296,225              |
| 1844                      | 3,676,162       | 549,744                   | 135    | 11,247                  | 4,237,288              |
| 1845                      | 3,660,231       | 608,765                   | 90     | 20,755                  | 4,289,841              |
| Total to 30th June, 1845, | 34,271,935      | 4,760,810                 |        |                         | 39,281,620             |
| Average of nine years,    | 3,807,993       | 528,979                   |        |                         | 4,364,625              |

The above statistics apply wholly to the revenue under the old law. The following table shows the income for the first two years under the new law :—

| Year ending 30th June. | Letter Postage. | Newspapers and Pamphlets. | Fines. | Miscellaneous Receipts. | Total Annual Receipts. |
|------------------------|-----------------|---------------------------|--------|-------------------------|------------------------|
| 1846                   | \$ 2,881,697    | \$ 562,143                | \$ 235 | \$ 43,124               | \$ 3,487,199           |
| 1847                   | 3,196,957       | 643,160                   | 571    | 113,203*                | 3,955,893              |
| Increase,              | 317,260         | 81,017                    |        |                         | 468,694                |

From the above tables it will be seen that the annual average income for nine years, ending 30th June, 1845, was \$ 4,364,625. For the year ending 30th June, 1846, the first under the new law, the income was \$ 3,487,199; and for the year ending June 30th, 1847, \$ 3,955,893. There has been a steady increase in the letter postages, and the postage on newspapers and pamphlets has not only exceeded the average of the nine years preceding June 30th, 1845, but has been larger than that of any of the single years. This is owing partly to the increased rates of postage on newspapers and pamphlets under the act of March 30, 1847.

The expenditures of the Post-Office are shown in Table 3, *ante*, p. 149. Under the new law they have been much less than under the old law, and during the last year less than those of the preceding year by the sum of \$ 104,727. This reduction was made in the lettings in the Southern section, where the service was taken at reduced prices, under that provision of the act of 1845 which directs the acceptance of the lowest bid, without regard to the former contractor, or the stock which he may have had on the road. There will be an annual saving in that section of about \$ 108,697, or about 19 *per cent.* of the former prices, while the service there has been increased.

\* Including \$ 65,555.55 for postages of the government to the 30th June, 1847, appropriated but not drawn.

5. *Gross Amount of Letter Postage, and Newspapers and Pamphlets, for the two Quarters preceding the 1st of January, 1847, compared with the two Quarters preceding 1st of January, 1848.*

[Furnished from the Post-Office Department, August 10, 1848.]

| Year 1846.        | Letter Postage. | Newspaper and Pamphlet Postage. | Year 1847.        | Letter Postage. | Newspaper and Pamphlet Postage. |
|-------------------|-----------------|---------------------------------|-------------------|-----------------|---------------------------------|
| 3d Quarter, 1846, | \$ 752,718.64   | \$ 144,656.09                   | 3d Quarter, 1847, | \$ 786,638.45   | \$ 183,426.06                   |
| 4th " "           | 784,792.14      | 144,261.28                      | 4th " "           | 794,258.08      | 185,295.45                      |
| Total,            | \$1,537,510.78  | \$ 288,917.37                   | Total,            | \$1,580,896.53  | \$ 368,721.51                   |

6. *Business of the Post-Office and Compensation of Postmasters.*

From the best estimates, the number of letters and papers passing through the United States mail during the last year may be thus stated, to wit:—

|  |            |
|--|------------|
| Paid and unpaid single rates of 5 cents, . . . . .   | 36,152,556 |
| Paid and unpaid single rates of 10 cents, . . . . .  | 12,851,532 |
| Ship and steamboat letters at 6 cents, . . . . .   | 427,800    |
| Ship and steamboat letters from foreign countries forwarded in the mails, 2 cents additional to regular postage, . . . . . | 850,980    |
| Dropped letters, . . . . .   | 865,308    |
| Printed circular letters, . . . . .  | 1,025,304  |
| Free letters, franked, and those sent to the army, not less than . . . . .   | 5,000,000  |
| Dead letters returned to the department, <i>about</i> . . . . .  | 1,800,000  |
| Total, . . . . .   | 58,973,480 |

The newspapers passing through the mails annually are estimated at 55,000,000; the pamphlets and magazines at 2,000,000. The number of transient newspapers, paying three cents each, cannot be ascertained with any accuracy, as the postage is usually returned with that on letters. The newspapers, circulars, and other printed sheets sent to offices and not taken out nor returned to the department will not, probably, fall short of 1,800,000.

In consequence of the increased labor in the offices, and the diminished compensation and privileges of postmasters, under the act of 3d March, 1845, nearly one third of the offices in the United States were voluntarily vacated after the passage of the act. The extra commissions allowed by the order of 9th July, 1845, arrested these resignations. Since the passage of the law of March 1st, 1847, which allowed postmasters higher rates of commission, and restored the franking privilege to those in the smaller offices, resignations have been less frequent. These rates are as follows, viz.:—

1. On the amount of letter postage, not exceeding \$ 100 in any one *quarter*,\* . . . . . 40 per cent.
2. On any sum between \$ 100 and \$ 400 in any year, . . . . . 33½ "

\* As by act of 17th May, 1848.

3. On any sum between \$ 400 and \$ 2,400 in a year, . . . 30 per cent.
4. On any sum over \$ 2,400 in a year, . . . 12½ "
5. On the amount of letters and packets received for distribution at offices designated by the Postmaster-General for that purpose, . . . 7 "
6. On all sums arising from the postage on newspapers, magazines, and pamphlets, . . . 50 "
7. Box rents not exceeding \$ 2,000 per annum.

The postmasters at New Orleans and Washington have special allowances for extra labor. To the postmasters at offices where the mail is regularly to arrive between the hours of 9 o'clock at night and 5 in the morning, the commission on the first \$ 100 collected in one quarter may be increased by the Postmaster-General to a sum not exceeding 50 per cent.

The term *letter postage* includes all postages received, except those which arise from newspapers sent from the offices of publication to subscribers, and from pamphlets and magazines.

#### 7. Rates of Postage.

- For a letter, not exceeding half an ounce in weight (avoirdupois), sent not exceeding 300 miles, . . . 5 cents.
- Sent over 300 miles, . . . 10 "
- For every half-ounce, and *any* excess over every half-ounce, the same rates of postage; and when advertised, two cents on each letter, or *four* cents, if the advertising cost so much, additional.
- For drop letters (not to be mailed), each . . . 2 "
- For all letters or packages, conveyed by any vessel not employed in carrying the mail, from one post or place to any other post or place in the United States, . . . 2 "
- For any pamphlet, magazine, periodical, or other matter of every kind that is transmittible by mail, and has no written communication on it, of one ounce or less, or for a newspaper exceeding 1,900 square inches of surface, sent from the office of publication, . . . 2½ "
- For each additional ounce, or an excess greater than a half-ounce, 1 cent.
- For newspapers of 1,900 square inches or less, sent from the office of publication, not more than 100 miles, or any distance within the same State, . . . 1 "
- Sent over such distance, . . . 1½ "
- For *transient newspapers*, or those not sent from the office of publication to subscribers, handbills or circular letters, printed or lithographed, not exceeding one sheet in size (sent any distance), *to be paid upon delivery at the office and before they are put in the mails*, . . . 3 cents.

As the postage on these articles is chargeable on each *copy*, postmasters will carefully examine all packets, and rate the postage accordingly. When the article to be mailed is a circular, pamphlet, or newspaper, it should be



so enveloped or folded that it can be distinctly seen at the office to be such, and also that it contain no writing, marks, or signs, to serve the purpose of written communications. If not done up so as to open at the end, it is to be charged as a letter, by weight.

No packet can be mailed which weighs more than three pounds. Bound books of any size are not included in the term "mailable matter," except books sent by Governors of States, and these included under the term "Public Documents."

The establishment of private expresses for the conveyance of any letters, packets, or packages of letters, or other matter transmittible in the United States mail (newspapers, pamphlets, magazines, and periodicals excepted), from one city, town, or other place, to any other city, town, or place in the United States, between which the United States mail is regularly transported, is prohibited. Contractors may take newspapers out of the mails for sale or distribution among subscribers. A penalty of \$5,000 is imposed on any person taking letters *through* or over any part of the United States for the purpose of being sent out of the United States without the payment of postage.

Letters addressed to different persons cannot be inclosed in the same envelop or package, under a penalty of ten dollars, unless addressed to foreign countries.

#### 8. *Privilege of Franking.*

1. The President, ex-Presidents, Mrs. Madison, Mrs. Harrison, and Mrs. Adams, retain the franking privilege, as regulated by former laws.

2. Members of Congress and Delegates from Territories, *from thirty days before the commencement of each Congress, until the meeting of the next Congress*, the Vice-President, and the Secretary of the Senate, and the Clerk of the House of Representatives, *during their official terms*, may send and receive free letters or packages not exceeding two ounces in weight, and public documents not exceeding three pounds in weight.

3. The governors of States may send free the laws, records, and documents of the legislature, to the governors of other States.

4. The Secretaries of State, Treasury, War, and Navy; Attorney-General; Postmaster-General and Assistant Postmaster-General; Comptrollers, Auditors, Register, and Solicitor of the Treasury; Treasurer; Commissioners of the different Offices and Bureaus; Chiefs of Bureaus in the War and Navy Departments, General-in-Chief and Adjutant-General, may send and receive free all letters and packages upon official business, but not their private letters or papers.

5. The chief clerk in the State Department may send free public and official documents.

6. Deputy postmasters may send free all such letters and packages as may relate exclusively to the business of their respective offices; and those whose compensation did not exceed \$200 for the year ending the 30th of June, 1846, may also send free, through the mails, letters written by them-

selves, and receive free all written communications on their own private business, not weighing over one half-ounce, but not transient newspapers, handbills, or circulars.

7. Exchange newspapers between editors pass free.

*Public documents* are those printed by the order of either House of Congress, and publications or books procured or purchased by Congress, or either House, for the use of the members.

9. *Postage by the New York, Southampton, and Bremen Line of Steamers.*

The following are the rates of postage prescribed by the act of the 3d of March, 1845, for mailable matter sent by this line to Europe:—

|  |           |
|--|-----------|
| For all letters and packages not exceeding half an ounce in weight, . . . . .  | 24 cents. |
| For all letters and packages over half an ounce and under one ounce, . . . . . | 48 “      |
| For every additional half-ounce, . . . . .                                     | 15 “      |
| For every letter, newspaper, pamphlet, and price-current, . . . . .            | 3 “       |

The United States postage will be charged in addition to the above upon all mailable matter sent through the mails of the United States to New York, whence the ships sail for Bremen. All mailable matter addressed to England, Ireland, or Scotland will be left at the British post-office in Cowes or Southampton; and all for France, the Netherlands, Belgium, Italy, Spain, and Portugal, and Africa, will be sent to Havre, in France; a separate bag will be made up for Hamburg and delivered at Bremen-Haven. Prepayment of the postage will be required at the office from which sent, upon all mailable matter directed to those countries. Upon mailable matter sent to other countries on the Eastern Continent, prepayment will not be required. It will be mailed for Bremen, where all unpaid postages will be collected for the United States by the Bremen office.

By the act of the 28th of June, 1848, letters coming or sent in the British *steamers*, or private British ships, are charged, *by the packets*, one shilling, or 24 cents; by *private vessels*, 16 cents; the same that is charged in Great Britain on American letters taken to or from England in packets and ships of the United States.

10. *Postage to Europe.*

(The following statement is from the official publication of the Post-Office notice in the National Intelligencer.)

1. Letters to any post-office in Bremen, Hamburg, Oldenburg, Hanover, Brunswick, Prussia, or Saxony, in Germany, may be sent by the United States mail steam-packets Washington and Hermann, postage unpaid, or prepaid to destination, or prepaid to Bremen only, at the option of the sender.

*United States Postage.*

|   |               |
|---|---------------|
| If mailed at New York, . . . . .                  | 24 cts. sing. |
| If mailed within 300 miles of New York, . . . . . | 29 “          |

If mailed over 300 miles from New York, . . . . . 34 cts. sing.  
 No additional postage to Bremen.

*Postage to be added, if to be prepaid.*

|                       |              |                         |              |
|-----------------------|--------------|-------------------------|--------------|
| To Hamburg, . . . . . | 6 cts. sing. | To Brunswick, . . . . . | 6 cts. sing. |
| Oldenburg, . . . . .  | 5 "          | Prussia, . . . . .      | 12 "         |
| Hanover, . . . . .    | 6 "          | Saxony, . . . . .       | 12 "         |

Single letter limited to half an ounce.

2. Writers may prepay to the following places and countries, or send unpaid, or they may pay the United States postage only, which last is advised.

*Add to United States Postage (see above) if prepaid.*

|                     |              |                            |               |
|---------------------|--------------|----------------------------|---------------|
| To Lubec, . . . . . | 9 cts. sing. | To Bavaria, . . . . .      | 22 cts. sing. |
| Gotha, . . . . .    | 13 "         | Frankfort-on-the-M'e, 13 " |               |
| Austria, . . . . .  | 18 "         | Darmstadt, . . . . .       | 15 "          |
| Cassel, . . . . .   | 10 "         | Baden, . . . . .           | 18 "          |
| Coburg, . . . . .   | 15 "         | Wurtemberg, . . . . .      | 21 "          |

Single letter limited to  $\frac{1}{2}$  ounce, except to Lubec and Gotha, which is limited to  $\frac{1}{2}$  ounce (foreign).

3. In the following cases it is best to pay the United States postage only. Nevertheless, the writer may pay to destination, or may send unpaid.

*Postage in Addition to United States Rate (see above).*

|  |              |   |               |
|--|--------------|---|---------------|
| To Altona, . . . . .                                       | 6 cts. sing. | To St. Petersburg, or                     |               |
| Kiel, . . . . .  | 11 "         | Cronstadt, . . . . .                      | 24 cts. sing. |
| Copenhagen and Denmark generally, . . . . .                | 22 "         | Alexandria, Cairo, or                     |               |
| Stockholm and farthest part of Sweden, . . . . .           | 39 "         | Greece, . . . . .                         | 37 "          |
| Bergen, Christiana, and farthest part of Norway, . . . . . | 28 "         | Eastern towns of Italy, . . . . .         | 18 "          |
|  |              | Constantinople, . . . . .                 | 37 "          |
|  |              | Bâle and Switzerland generally, . . . . . | 21 "          |

The single letter in Denmark, Sweden, and Russia is limited to the half-ounce; in the other countries on the last list, to the quarter-ounce.

4. On newspapers and pamphlets, the United States postage, and that only, is to be prepaid,—3 cents per newspaper or pamphlet, with inland postage added if mailed elsewhere than at New York. *Memorandum.*—Newspapers will be rated abroad with foreign *letter* postage, if printed in any other language than the English, and if enveloped otherwise than with narrow bands.

5. Each letter is to be marked or stamped on the face with the name of the office mailing it, and on the back with the name of the New York post-office. If United States postage only is prepaid, it is to be marked or stamped "Paid Part," in black. If postage through to destination is prepaid, it is to be stamped or marked in red, "Paid All"; and the amount

of the foreign postage received is to be stated on the letter in *red*. If the letter is unpaid, the United States postage, in *black*, is to be stated.

### 11. *Dead-Letter Office.\**

The number of dead letters returned quarterly is estimated at 450,000. In the disposition of these letters five clerks are engaged. One compares the letters with the dead-letter bills returned by the postmasters; two then open the letters and hand over those containing articles of value to two other clerks, who register and send them out to postmasters to be delivered to the right owners. The dead letters not containing inclosures of value are packed, and burned at the end of each quarter under the inspection of one of the clerks. The money, consisting usually of bank paper, is converted and deposited with the funds of the department, subject to future claims. From the reorganization of the department in 1836 to the 30th June, 1847, there was deposited the sum of \$ 10,329.28, accruing from the conversion of unclaimed money and the sale of miscellaneous articles.

### 12. *Dead Letters containing Money registered and sent out for Delivery during the two Years ending June 30, 1847.*

| Year ending June 30. | Number of Money Letters |            |                     | Value of Letters sent out. | Amount restored. | Contents of unclaimed Letters on hand. |            | Unclaimed Money deposited with the Department. |
|----------------------|-------------------------|------------|---------------------|----------------------------|------------------|--|------------|--|
|                      | Sent out for delivery.  | Delivered. | Returned unclaimed. |                            |                  | Probable Value.                        | Worthless. |  |
| 1846                 | 2,340                   | 2,021      | 319                 | \$ 17,822                  | \$ 16,169        | \$ 1,399.49                            | \$ 254     | Nothing.                                       |
| 1847                 | 2,782                   | 2,365      | 417                 | 21,065                     | 19,474           | 1,433.93                               | 147        | \$ 1,911.54                                    |

### 13. *Dead Letters containing other Articles than Money registered and sent out for Delivery to the Writers or Owners during the two Years ending June 30, 1847.*

|   | £. s. d.  | Dollars.   | Francs.  |
|---|-----------|------------|----------|
| Bills of exchange, drafts, and letters of credit, | 3,779 2 9 | 93,573.99  | 4,490.25 |
| Bonds and notes of hand,                          | 865 2 4   | 131,028.82 |          |
| Checks, orders, and treasury warrants,            | 32 0 6    | 71,044.42  |          |
| Certificates of deposit,                          | 290 0 0   | 6,885.93   |          |
| Accounts,   |           | 1,019.89   |          |

The other articles were 263 deeds or papers relating to land titles; 11 land certificates; 6 articles of agreement; 7 pension papers; 26 passage certificates; 11 patent papers; 96 court papers; 5 policies of insurance; 25 certificates of stock; 45 miscellaneous packages; and receipts amounting to \$ 876.65. The number of letters sent out was 2,158; number of receipts received for letters delivered, 1,799; number of letters returned unclaimed, 308; number not returned, 541.

\* This office is under the immediate superintendence of John Marron, Esq., Third Assistant Postmaster-General.

## X. REVENUE AND EXPENDITURE.

[From a Report of the Secretary of the Treasury, December 8, 1847.]

1. *Statement of Duties, Revenues, and Public Expenditures during the Fiscal Years ending June 30, 1846, and June 30, 1847.*

| The receipts into the Treasury were as follows:—  | Year ending<br>June 30, 1846. | Year ending<br>June 30, 1847. |
|---|-------------------------------|-------------------------------|
| <b>From customs, viz:—</b>  |                               |                               |
| During the first quarter, . . . . .   | \$8,861,932.14                | \$6,153,826.58                |
| During the second quarter, . . . . .  | 4,192,790.77                  | 3,641,192.22                  |
| During the third quarter, . . . . .   | 7,357,192.51                  | 6,319,041.48                  |
| During the fourth quarter, . . . . .  | 6,300,752.45                  | 7,633,804.38                  |
| Total customs, . . . . .  | 26,712,667.87                 | 23,747,864.66                 |
| From sales of public lands, . . . . .   | 2,694,452.48                  | 2,498,355.20                  |
| From miscellaneous sources, . . . . .   | 92,126.71                     | 100,570.51                    |
| Total receipts, exclusive of loans, &c.,  | 29,499,247.06                 | 26,346,790.37                 |
| Balance in the Treasury, July 1, 1845 and '46,  | 7,658,306.22                  | 9,126,439.08                  |
| Total, exclusive of loans,  | 37,157,553.28                 | 35,473,229.45                 |
| Avails of Treasury-notes issued under act of<br>July 22, 1846, less \$ 1,931,000 funded,  |                               | 5,506,800.00                  |
| Avails of Treasury-notes, issued under act of<br>Jan. 28, 1847, less \$ 1,221,850 funded, |                               | 11,149,300.00                 |
| Avails of loan under act of July 22, 1846,  |                               | 4,888,149.45                  |
| Avails of loan under act of Jan. 28, 1847, less<br>\$ 40,350, funded . . . . .            |                               | 4,134,950.00                  |
| Total means, . . . . .  |                               | 25,679,199.45                 |
| The expenditures, exclusive of trust funds,<br>were as follows:—                          |                               | 61,152,428.90                 |
| <i>Civil List.</i>  |                               |                               |
| Legislature, . . . . .  | 944,270.84                    | 974,324.14                    |
| Executive, . . . . .  | 856,909.44                    | 875,718.80                    |
| Judiciary, . . . . .  | 544,732.30                    | 571,377.88                    |
| Governments in the Territories, . . . . .   | 64,845.82                     | 36,987.98                     |
| Surveyors and their clerks, . . . . .   | 67,320.42                     | 56,380.75                     |
| Officers of the Mint and branches, . . . . .  | 42,307.88                     | 43,725.00                     |
| Commissioner of the Public Buildings, . . . . .   | 2,000.00                      | 1,994.44                      |
| Secretary to sign patents for public lands, . . . . .                                     | 1,237.00                      | 1,500.00                      |
| Total civil list, . . . . .   | 2,523,624.20                  | 2,562,008.99                  |
| <i>Foreign Intercourse.</i>   |                               |                               |
| Salaries of Ministers, . . . . .  | 63,016.48                     | 62,944.26                     |
| Salaries of Secretaries of Legation, . . . . .  | 13,580.51                     | 14,046.80                     |
| Salaries of Chargés des Affaires, . . . . .   | 69,034.32                     | 58,713.29                     |
| Salary of Minister Resident to Turkey, . . . . .  | 8,000.00                      | 8,500.00                      |
| Outfits of Ministers and Chargés des Affaires, . . . . .                                  | 89,809.00                     | 56,750.00                     |
| Salary of Dragoman to Turkey and contin-<br>gencies, . . . . .                            | 3,600.00                      | 2,000.00                      |
| Contingent expenses of all the missions abroad, . . . . .                                 | 38,426.53                     | 35,365.95                     |
| Renewal of diplomatic intercourse with Mex-<br>ico, . . . . .                             |                               | 4,500.00                      |
| Contingent expenses of foreign intercourse, . . . . .                                     | 21,941.69                     | 17,809.80                     |
| Salary of Consul at Syria and Palestine, . . . . .  |                               | 1,997.27                      |
| Salary of the Consul at London, . . . . .   | 2,000.00                      | 2,000.00                      |
| Relief and protection of American seamen, . . . . .                                       | 67,126.52                     | 87,370.99                     |
| Clerk-hire, office-rent, &c., to American Con-<br>sul, London, . . . . .                  | 2,800.00                      | 2,800.00                      |

|  | Year ending<br>June 30, 1846.                              | Year ending<br>June 30, 1847.                   |
|--|--|---|
| Intercourse with Barbary powers,<br>French seamen killed or wounded at Toulon,<br>Interpreters, guards, &c., at the Consulates in<br>Turkish dominions, . . . . .  | \$ 8,248.24  | \$ 6,300.00<br>500.00                           |
| Payments under the ninth article of treaty<br>with Spain, . . . . .  | 1,000.00   | 2,329.00  |
| Compensation for certain diplomatic services,<br>To Commissioner to Sandwich Islands, . . . . .  | 1,900.00   | 440.00  |
| Outstanding claims of missions to China,<br>Commissioner and Sec'y to reside in China, . . . . .   | 2,450.00   | 3,000.00<br>6,417.12                            |
| Total foreign intercourse, . . . . .   | 5,000.00   | 6,079.47<br>11,250.00                           |
|  | 397,933.29   | 391,113.95                                      |
| <i>Miscellaneous.</i>  |  |   |
| Surveys of public lands, . . . . .   | 153,837.66   | 145,013.45                                      |
| Support and maintenance of light-houses, . . . . .   | 400,877.29   | 501,018.49                                      |
| Marine hospitals, . . . . .  | 68,678.70  | 123,257.42                                      |
| Building marine hospitals, . . . . .   | 42,887.49  | 7,058.72  |
| Public buildings in Washington, . . . . .  | 36,656.95  | 38,067.57                                       |
| Furniture of the President's house, . . . . .  | 11,358.28  | 1,162.96  |
| Support of the penitentiary in Dist. Columbia,<br>Patent fund, . . . . .   | 17,400.87  | 12,719.02                                       |
| Distribution of the sales of public lands,<br>Payment to Maine and Massachusetts, for ex-<br>penses incurred in protecting the heretofore<br>disputed territory, . . . . .   | 42,128.70<br>25,125.23                                     | 44,280.91<br>11,181.36                          |
| Building custom-houses, &c., . . . . .   | 56,754.63  | 19,805.32                                       |
| Survey of the coast of the United States, . . . . .  | 115,940.00   | 64,062.36                                       |
| Mint establishment, . . . . .  | 100,000.00   | 111,000.00                                      |
| Relief of sundry individuals, . . . . .  | 92,771.50  | 89,972.97                                       |
| Survey of the northeastern boundary line,<br>Auxiliary watch in the city of Washington,<br>Expenses incidental to loans and Treas. notes,<br>Support of lunatics of the Dist. of Columbia,<br>Three per cent. to Illinois, . . . . . | 58,314.94<br>75,000.00<br>6,176.00<br>2,400.00<br>5,325.79 | 120,070.14<br>6,776.61<br>26,184.34<br>5,770.45 |
| Five per cent. to Michigan, . . . . .  | 25,087.45  | 17,200.95                                       |
| Five per cent. to Arkansas, . . . . .  | 1,259.93   | 1,262.48  |
| Two per cent. fund to Mississippi, . . . . .   | 1,788.76   | 870.62  |
| Three per cent. to Ohio, . . . . .   | 146,823.75   | 65,749.09                                       |
| Five per cent. to Florida, . . . . .   |  | 975.80  |
| Relief of the cities of the Dist. of Columbia,<br>Debentures and other charges, . . . . .  | 122,516.49<br>322,808.17                                   | 117,471.62<br>430,668.00                        |
| Additional compensation to collectors, &c.,<br>Payment of horses, &c., lost, . . . . .   | 88,346.25<br>34,330.46                                     | 10,697.68<br>18,424.71                          |
| Duties refunded under protest, . . . . .   | 859,974.77   | 560,483.37                                      |
| Repayment for lands erroneously sold,<br>Refunding purchase-money for land sold in<br>the Greensburg district, Louisiana, . . . . .  | 24,734.18<br>19,877.95                                     | 23,335.12<br>6,876.54                           |
| Testing the electro-magnetic telegraphs,<br>Results and acct. of the Exploring Expedition,<br>Preparing indices to the manuscript papers of<br>Washington, . . . . .   | 7,617.30<br>21,747.26<br>1,252.00                          | 25,252.40<br>2,000.00                           |
| Clerk to commissioners to remit duties on<br>goods destroyed by fire in New York, . . . . .  | 1,000.00   |   |
| Payment of books ordered by Congress,<br>Expenses in relation to insolvent debtors of<br>the United States, . . . . .  | 9,338.55<br>92.91  | 107,871.27                                      |
| Manual for custom-houses in relation to sugar,<br>Purchase of lots in rear of P. O. Department, . . . . .  | 3,200.00<br>22,150.00                                      |   |

|  | Year ending<br>June 30, 1846. | Year ending<br>June 30, 1847. |
|--|-------------------------------|-------------------------------|
| Deficiency in revenue from postage, . . . . .  | \$ 650,000.00                 | \$ 225,000.00                 |
| Postage of departments, and (in 1846 - 47) of Congress, . . . . .                        | 160,231.62                    | 311,298.99                    |
| Additional compensation to judges in Missouri, . . . . .                                 | 5,206.79                      | 4,000.00                      |
| Proposed edition of the Laws and Treaties of the United States, . . . . .                | 17,500.00                     | 10,500.00                     |
| Building light-houses, . . . . .   |                               | 7,099.37                      |
| Statues for east front of Capitol, . . . . .   |                               | 7,500.00                      |
| Smithsonian Institution, act of Aug. 10, 1846, . . . . .                                 |                               | 257,584.07                    |
| Payments of sundry certificates, . . . . .   |                               | 4,250.28                      |
| Documentary history of the United States, . . . . .                                      |                               | 25,245.00                     |
| Discriminating tonnage duties, . . . . .   |                               | 2,801.29                      |
| Certain duties refunded, . . . . .   |                               | 128,855.20                    |
| Expenses of mineral land service, . . . . .  |                               | 7,500.00                      |
| Boundary line between United States and British provinces, . . . . .                     |                               | 26,000.00                     |
| Salaries of assistant treasurers and clerks, act of Aug. 6, 1846, . . . . .              |                               | 11,102.61                     |
| Contingencies under said act, . . . . .  |                               | 5,000.00                      |
| Compensation of special agents to examine accounts, &c., . . . . .                       |                               | 1,900.00                      |
| Plans and drawings made by topographical officers, under resolution of Senate, . . . . . |                               | 4,988.00                      |
| All other items of a miscellaneous nature, . . . . .                                     | 2,926.73                      | 5,565.49                      |
| Total miscellaneous, . . . . .   | 3,861,442.35                  | 3,762,732.04                  |
| <i>Under the direction of the War Department.</i>  |                               |                               |
| Army proper, . . . . .   | 4,049,929.05                  | 17,880,842.91                 |
| Military Academy, . . . . .  | 140,852.36                    | 124,339.21                    |
| Fortifications, and other works of defence, . . . . .                                    | 1,031,327.60                  | 932,962.08                    |
| Armories, arsenals, and munitions of war, . . . . .                                      | 1,112,613.18                  | 1,617,216.28                  |
| Harbours, roads, rivers, &c., . . . . .  | 239,625.49                    | 36,117.67                     |
| Surveys, . . . . .   | 74,783.64                     | 38,121.41                     |
| Pensions, . . . . .  | 1,784,988.30                  | 1,726,785.71                  |
| Indian Department, . . . . .   | 944,454.26                    | 1,228,280.40                  |
| Claims of the State of Virginia, . . . . .   | 26,731.45                     | 23,160.08                     |
| Arming and equipping the militia, . . . . .  | 193,011.44                    | 162,597.55                    |
| Payments to militia and volunteers, . . . . .  | 544,346.33                    | 1,368,709.40                  |
| Mexican hostilities, . . . . .   | 3,404,648.04                  | 16,001,226.42                 |
| Relief of individuals and miscellaneous, . . . . .                                       | 32,117.21                     | 141,247.50                    |
| Total under direction of the War Dep't, . . . . .  | 13,579,428.35                 | 41,281,606.62                 |
| <i>Under the direction of the Navy Department.</i>                                       |                               |                               |
| Pay and subsistence, including medicines, &c., . . . . .                                 | 3,252,850.29                  | 2,516,573.97                  |
| Increase, repairs, armament, and equipment, . . . . .                                    | 1,481,534.35                  | 1,298,503.33                  |
| Contingent expenses, . . . . .   | 484,928.60                    | 467,995.00                    |
| Navy yards, . . . . .  | 506,224.39                    | 691,844.18                    |
| Navy hospitals and asylum, . . . . .   | 48,567.02                     | 28,477.14                     |
| Magazines, . . . . .   | 472.14                        | 1,447.33                      |
| Relief of individuals and miscellaneous, . . . . .                                       | 184,238.55                    | 169,607.83                    |
| Marine corps, . . . . .  | 214,653.12                    | 277,884.60                    |
| Pensions to invalids, widows, &c., . . . . .   | 129,774.84                    | 115,008.69                    |
| Mexican hostilities, . . . . .   | 147,619.40                    | 2,364,291.61                  |
| Total under direction of the Navy Dep't, . . . . .                                       | 6,450,862.70                  | 7,931,633.68                  |
| <i>Public Debt.</i>  |                               |                               |
| Paying the old public debt, . . . . .  | 32,568.07                     | 8,081.69                      |
| Interest on the public debt, . . . . .   | 833,953.75                    | 1,059,039.82                  |

|  | Year ending<br>June 30, 1846. | Year ending<br>June 30, 1847. |
|--|-------------------------------|-------------------------------|
| Redemption of the loan of 1841, . . . . .                                  | \$ 46,082.17                  | \$ 3,000.00                   |
| Redemption of Treasury-notes, . . . . .                                    | 296,449.80                    | 2,361,397.07                  |
| Interest on Treasury-notes, . . . . .                                      | 8,769.52                      | 53,027.70                     |
| Interest on Mexican indemnity, . . . . .                                   |                               | 7,147.20                      |
| Redemption of Treasury-notes purloined, in-<br>cluding interest, . . . . . |                               | 30,388.89                     |
| Total public debt, . . . . .   | 1,217,823.31                  | 3,522,062.37                  |
| Total expenditures, . . . . .  | 28,031,114.20                 | 59,451,177.65                 |
| Balance in the Treasury, July 1, 1846 and '47,                             | 9,126,439.08                  | 1,701,251.25                  |

2. *Statement of Duties, Revenues, and Public Expenditures for the 1st Quarter of the Fiscal Year from the 1st of July to the 30th of September, 1847 (agreeably to warrants issued, exclusive of trust funds).*

RECEIPTS.

|   |                  |
|---|------------------|
| From Customs, . . . . .                               | \$ 11,106,257.41 |
| Sales of public lands, . . . . .                      | 896,883.47       |
| Miscellaneous and incidental sources, . . . . .       | 58,553.47        |
| Treasury-notes issued under act of 23d of July, 1846, | 250,000.00       |
| “ “ “ act of 28th Jan., 1847, . . . . .               | 4,225,800.00     |
| Loan of July 22, 1846, . . . . .                      | 111,000.00       |
| Loan of Jan. 28, 1847, . . . . .                      | 2,328,278.00     |
| Total, . . . . .                                      | \$ 18,976,752.35 |

EXPENDITURES.

|  |                  |
|--|------------------|
| For Civil, miscellaneous, and foreign intercourse, . . . . . | \$ 1,116,680.44  |
| Army proper, &c., . . . . .                                  | 8,717,583.60     |
| Fortifications, ordnance, arming militia, &c., . . . . .     | 577,980.67       |
| Indian department, . . . . .                                 | 691,795.05       |
| Pensions, . . . . .  | 583,332.36       |
| Naval establishment, . . . . .                               | 2,384,805.45     |
| Redemption of Treasury-notes, and interest, . . . . .        | 2,385,329.63     |
| Redemption of 3 per cent. stock, . . . . .                   | 257.04           |
| Reimbursed registered debt, . . . . .                        | 234.17           |
| Interest on public debt, . . . . .                           | 11,196.28        |
| Total, . . . . .   | \$ 16,469,194.69 |

3. *Statement of the Debt of the United States on the 1st of December, 1847.*

|   |                  |
|---|------------------|
| Of the principal and interest of the old funded and unfund-<br>ed debt, . . . . . | \$ 122,288.53    |
| Treasury-notes issued during the war of 1812, . . . . .                           | 4,317.44         |
| Certificates of the Mississippi stock, . . . . .                                  | 4,320.09         |
| Debt of the corporate cities of the District of Columbia, . . . . .               | 1,080,000.00     |
| Outstanding Treasury-notes of issues of 1837 to 1843, . . . . .                   | 239,789.31       |
| “ “ “ funded, . . . . .   | 77,178.00        |
| Loan of 1842 at 6 per cent., . . . . .  | 8,343,886.03     |
| Loan of 1843 at 5 per cent., . . . . .  | 6,604,231.35     |
| Loan of 1846 at 6 per cent., . . . . .  | 4,999,149.45     |
| Loan of 1847 at 6 per cent. (less notes funded issued before<br>1845), . . . . .  | 9,173,772.00     |
| Five per cent. stock issued in payment of Mexican indemnity, . . . . .            | 301,952.20       |
| Military bounty land, at 6 per cent., per act of Feb. 11, 1847, . . . . .         | 84,525.00        |
| Outstanding Treasury-notes per act of 22d of July, 1846, . . . . .                | 984,750.00       |
| “ “ “ per act of 28th of Jan., 1847, . . . . .                                    | 13,639,500.00    |
| Total, . . . . .  | \$ 45,659,659.40 |



4. *Statement of the Receipts into the National Treasury, from Customs, Internal Revenue and Direct Taxes, and Sales of Public Lands, fractions of a dollar being excluded.*

| Years.        | Customs.     | Internal and Direct Taxes. | Sales of Lands and Miscellaneous | Aggregate of Receipts. |                               |
|---------------|--------------|----------------------------|----------------------------------|------------------------|-------------------------------|
|               |              |                            |                                  | In each year.          | In each period of four years. |
| 1789-91       | \$ 4,399,473 | •                          |                                  | \$ 4,399,473           |                               |
| 1792          | 3,443,071    | \$ 278,443                 |                                  | 3,652,014              | \$ 8,051,487                  |
| 1793          | 4,255,306    | 337,706                    |                                  | 4,593,012              |                               |
| 1794          | 4,801,065    | 274,090                    |                                  | 5,075,155              |                               |
| 1795          | 5,588,461    | 337,755                    |                                  | 5,926,216              |                               |
| 1796          | 6,567,988    | 475,290                    | \$ 4,836                         | 7,048,114              | 22,642,497                    |
| 1797          | 7,549,650    | 575,491                    | 83,541                           | 8,208,682              |                               |
| 1798          | 7,106,062    | 644,358                    | 11,963                           | 7,762,383              |                               |
| 1799          | 6,610,449    | 779,136                    |                                  | 7,389,585              |                               |
| 1800          | 9,080,933    | 1,543,620                  | 444                              | 10,624,997             | 33,985,647                    |
| 1801          | 10,750,779   | 1,562,377                  | 167,726                          | 12,500,882             |                               |
| 1802          | 12,438,236   | 828,464                    | 188,628                          | 13,455,328             |                               |
| 1803          | 10,479,418   | 287,059                    | 165,676                          | 10,932,153             |                               |
| 1804          | 11,098,465   | 101,139                    | 487,527                          | 11,687,231             | 42,577,694                    |
| 1805          | 12,936,487   | 43,631                     | 540,194                          | 13,520,312             |                               |
| 1806          | 14,667,698   | 75,865                     | 765,246                          | 15,508,809             |                               |
| 1807          | 15,845,522   | 47,784                     | 466,163                          | 16,359,469             |                               |
| 1808          | 16,363,550   | 27,370                     | 647,939                          | 17,038,859             | 62,427,449                    |
| 1809          | 7,296,021    | 11,562                     | 442,252                          | 7,749,835              |                               |
| 1810          | 8,583,309    | 19,879                     | 696,549                          | 9,299,737              |                               |
| 1811          | 13,313,223   | 9,962                      | 1,040,238                        | 14,363,423             |                               |
| 1812          | 8,958,778    | 5,762                      | 710,428                          | 9,674,968              | 41,077,963                    |
| 1813          | 13,224,623   | 8,561                      | 835,655                          | 14,068,839             |                               |
| 1814          | 5,998,772    | 3,882,482                  | 1,135,971                        | 11,017,225             |                               |
| 1815          | 7,282,942    | 6,840,733                  | 1,287,959                        | 15,411,634             |                               |
| 1816          | 36,306,875   | 9,378,344                  | 1,717,985                        | 47,403,204             | 87,900,902                    |
| 1817          | 26,283,348   | 4,512,288                  | 1,991,226                        | 32,786,862             |                               |
| 1818          | 17,176,335   | 1,219,613                  | 2,606,565                        | 21,002,563             |                               |
| 1819          | 20,283,609   | 313,244                    | 3,274,423                        | 23,871,276             |                               |
| 1820          | 15,005,612   | 137,847                    | 1,635,872                        | 16,779,331             | 94,440,632                    |
| 1821          | 13,004,447   | 98,377                     | 1,212,966                        | 14,315,790             |                               |
| 1822          | 17,589,762   | 88,617                     | 1,803,582                        | 19,481,961             |                               |
| 1823          | 19,088,433   | 44,580                     | 916,523                          | 20,049,536             |                               |
| 1824          | 17,878,326   | 40,865                     | 984,418                          | 18,903,609             | 72,750,896                    |
| 1825          | 20,098,714   | 28,102                     | 1,216,090                        | 21,342,906             |                               |
| 1826          | 23,341,332   | 28,228                     | 1,393,785                        | 24,763,345             |                               |
| 1827          | 19,712,283   | 22,513                     | 1,495,945                        | 21,230,641             |                               |
| 1828          | 23,205,524   | 19,671                     | 1,018,309                        | 24,243,504             | 91,580,396                    |
| 1829          | 22,681,966   | 25,838                     | 1,517,175                        | 24,224,979             |                               |
| 1830          | 21,922,391   | 29,141                     | 2,329,356                        | 24,280,888             |                               |
| 1831          | 24,224,442   | 17,440                     | 3,210,815                        | 27,452,697             |                               |
| 1832          | 28,465,237   | 18,422                     | 2,623,381                        | 31,107,040             | 107,065,604                   |
| 1833          | 29,032,509   | 3,153                      | 3,967,682                        | 33,003,344             |                               |
| 1834          | 16,214,957   | 4,216                      | 4,867,601                        | 21,076,774             |                               |
| 1835          | 19,391,311   | 14,723                     | 4,757,601                        | 24,163,635             |                               |
| 1836          | 23,409,940   | 1,099                      | 4,877,180                        | 28,288,219             | 136,531,972                   |
| 1837          | 11,189,290   |                            | 6,863,556                        | 18,052,846             |                               |
| 1838          | 16,168,800   |                            | 3,214,184                        | 19,372,984             |                               |
| 1839          | 23,137,925   |                            | 7,261,118                        | 30,399,043             |                               |
| 1840          | 13,499,502   |                            | 3,494,356                        | 16,993,858             | 84,798,731                    |
| 1841          | 14,487,217   |                            | 1,470,295                        | 15,957,512             |                               |
| 1842          | 18,187,909   |                            | 1,456,058                        | 19,643,967             |                               |
| 6 mo. of 1843 | 7,046,844    |                            | 1,018,482                        | 8,065,326              |                               |
| 1844          | 26,183,571   |                            | 2,320,948                        | 28,504,519             | 72,171,324                    |
| *1845         | 27,528,113   |                            | 2,241,021                        | 29,769,134             |                               |
| *1846         | 26,712,668   |                            | 2,786,579                        | 29,499,247             |                               |
| *1847         | 23,747,864   |                            | 2,595,926                        | 26,346,790             |                               |

\* For the year ending June 30.

5. *Statement of the Expenditures of the United States, exclusive of Payments on Account of the Public Debt and from Trust Funds, fractions excluded.*

| Years.        | Civil List,<br>Foreign Inter-<br>course, and<br>Miscellaneous. | Military Estab-<br>lishment. | Naval Estab-<br>lishment. | Aggregate of Expenditures. |                                  |
|---------------|--|------------------------------|---------------------------|----------------------------|----------------------------------|
|               |  |                              |                           | In each year.              | In each period<br>of four years. |
| 1789 - 91     | \$ 1,083,401   | \$ 835,618                   | \$ 570                    | \$ 1,919,589               |                                  |
| 1792          | 654,257  | 1,223,594                    | 53                        | 1,877,904                  | \$ 3,797,493                     |
| 1793          | 472,450  | 1,237,620                    |                           | 1,710,070                  |                                  |
| 1794          | 705,568  | 2,733,540                    | 61,409                    | 3,500,547                  |                                  |
| 1795          | 1,367,037  | 2,573,059                    | 410,562                   | 4,350,658                  |                                  |
| 1796          | 772,485  | 1,474,661                    | 274,784                   | 2,521,930                  | 12,083,205                       |
| 1797          | 1,246,904  | 1,194,055                    | 382,632                   | 2,823,591                  |                                  |
| 1798          | 1,111,038  | 2,130,837                    | 1,381,348                 | 4,623,223                  |                                  |
| 1799          | 1,039,392  | 2,582,693                    | 2,858,082                 | 6,480,167                  |                                  |
| 1800          | 1,337,613  | 2,625,041                    | 3,448,716                 | 7,411,370                  | 21,338,351                       |
| 1801          | 1,114,768  | 1,755,477                    | 2,111,424                 | 4,981,669                  |                                  |
| 1802          | 1,462,929  | 1,358,589                    | 915,562                   | 3,737,080                  |                                  |
| 1803          | 1,842,636  | 944,958                      | 1,215,231                 | 4,002,825                  |                                  |
| 1804          | 2,191,009  | 1,072,017                    | 1,189,833                 | 4,452,859                  | 17,174,433                       |
| 1805          | 3,768,588  | 991,136                      | 1,597,500                 | 6,357,224                  |                                  |
| 1806          | 2,891,037  | 1,540,431                    | 1,849,641                 | 6,081,109                  |                                  |
| 1807          | 1,697,897  | 1,564,611                    | 1,722,064                 | 4,984,572                  |                                  |
| 1808          | 1,423,286  | 3,196,985                    | 1,884,068                 | 6,504,339                  | 23,927,244                       |
| 1809          | 1,215,804  | 3,771,109                    | 2,427,759                 | 7,414,672                  |                                  |
| 1810          | 1,101,145  | 2,555,693                    | 1,654,244                 | 5,311,082                  |                                  |
| 1811          | 1,367,291  | 2,259,747                    | 1,955,566                 | 5,592,604                  |                                  |
| 1812          | 1,633,086  | 12,187,046                   | 3,959,365                 | 17,829,499                 | 36,147,857                       |
| 1813          | 1,729,435  | 19,906,362                   | 6,446,600                 | 28,082,397                 |                                  |
| 1814          | 2,308,029  | 20,808,366                   | 7,311,291                 | 30,127,636                 |                                  |
| 1815          | 2,998,871  | 15,394,700                   | 8,660,000                 | 26,953,571                 |                                  |
| 1816          | 2,989,742  | 16,475,412                   | 3,908,278                 | 23,373,432                 | 108,537,086                      |
| 1817          | 3,518,937  | 8,621,075                    | 3,314,598                 | 15,454,610                 |                                  |
| 1818          | 3,835,839  | 7,019,140                    | 2,953,695                 | 13,808,674                 |                                  |
| 1819          | 3,067,212  | 9,385,421                    | 3,847,640                 | 16,300,273                 |                                  |
| 1820          | 2,592,022  | 6,154,518                    | 4,387,990                 | 13,134,530                 | 58,698,087                       |
| 1821          | 2,223,122  | 5,181,114                    | 3,319,243                 | 10,723,479                 |                                  |
| 1822          | 1,967,996  | 5,635,187                    | 2,224,459                 | 9,827,642                  |                                  |
| 1823          | 2,022,094  | 5,258,295                    | 2,503,766                 | 9,784,155                  |                                  |
| 1824          | 7,155,308  | 5,270,255                    | 2,904,582                 | 15,330,145                 | 45,665,421                       |
| 1825          | 2,748,544  | 5,692,831                    | 3,049,084                 | 11,490,459                 |                                  |
| 1826          | 2,600,178  | 6,243,236                    | 4,218,902                 | 13,062,316                 |                                  |
| 1827          | 2,314,777  | 5,675,742                    | 4,263,878                 | 12,254,397                 |                                  |
| 1828          | 2,886,052  | 5,701,203                    | 3,918,786                 | 12,506,041                 | 49,313,213                       |
| 1829          | 3,092,214  | 6,250,530                    | 3,308,745                 | 12,651,489                 |                                  |
| 1830          | 3,223,416  | 6,752,689                    | 3,239,429                 | 13,220,534                 |                                  |
| 1831          | 3,064,346  | 6,943,239                    | 3,856,183                 | 13,863,768                 |                                  |
| 1832          | 4,574,841  | 7,982,877                    | 3,956,370                 | 16,514,088                 | 56,249,879                       |
| 1833          | 5,051,789  | 13,096,152                   | 3,901,357                 | 22,049,298                 |                                  |
| 1834          | 4,399,779  | 10,064,425                   | 3,956,260                 | 18,420,467                 |                                  |
| 1835          | 3,720,167  | 9,420,313                    | 3,864,939                 | 17,005,419                 |                                  |
| 1836          | 5,388,371  | 18,466,110                   | 5,800,763                 | 29,655,244                 | 87,130,428                       |
| 1837          | 5,524,253  | 19,417,274                   | 6,852,060                 | 31,793,587                 |                                  |
| 1838          | 5,666,703  | 19,936,312                   | 5,975,771                 | 31,578,785                 |                                  |
| 1839          | 4,994,562  | 14,268,981                   | 6,225,003                 | 25,488,547                 |                                  |
| 1840          | 5,581,878  | 11,621,438                   | 6,124,456                 | 23,327,772                 | 112,188,691                      |
| 1841          | 6,490,881  | 13,704,882                   | 6,001,077                 | 26,196,840                 |                                  |
| 1842          | 6,775,625  | 9,188,469                    | 8,397,243                 | 24,361,337                 |                                  |
| 6 mo. of 1843 | 2,867,289  | 4,158,384                    | 3,672,718                 | 10,698,391                 |                                  |
| *1844         | 5,231,747  | 8,231,317                    | 6,496,991                 | 19,960,055                 | 81,216,623                       |
| *1845         | 5,608,207  | 9,533,203                    | 6,228,639                 | 21,370,049                 |                                  |
| *1846         | 6,783,000  | 13,579,428                   | 6,450,862                 | 26,813,290                 |                                  |
| *1847         | 6,715,854  | 41,281,606                   | 7,931,633                 | 59,451,177                 |                                  |

\* For the year ending June 30.

6. *Statement of the Debt of the United States, the Total Value of Imports and Exports, and the Total Tonnage, from 1791 to 1847.*

| Years. | Debt.         | Imports.      | Exports.      | Tonnage.  |
|--------|---------------|---------------|---------------|-----------|
| 1791   | \$ 75,463,476 | \$ 52,200,000 | \$ 19,012,041 | 502,146   |
| 1792   | 77,227,924    | 31,500,000    | 20,753,098    | 564,437   |
| 1793   | 60,352,634    | 31,100,000    | 26,109,572    | 491,760   |
| 1794   | 78,427,405    | 34,600,000    | 33,026,233    | 628,817   |
| 1795   | 90,747,587    | 69,756,268    | 47,989,473    | 747,964   |
| 1796   | 83,762,172    | 81,436,164    | 67,064,097    | 831,900   |
| 1797   | 82,064,479    | 75,379,406    | 56,850,206    | 876,913   |
| 1798   | 79,228,529    | 68,551,700    | 61,527,097    | 898,328   |
| 1799   | 78,408,670    | 79,068,148    | 78,665,522    | 946,408   |
| 1800   | 82,976,294    | 91,252,768    | 70,971,790    | 972,492   |
| 1801   | 83,036,051    | 111,363,511   | 94,115,925    | 1,083,219 |
| 1802   | 80,712,632    | 76,333,333    | 72,483,180    | 892,101   |
| 1803   | 77,064,686    | 64,666,666    | 55,800,033    | 949,147   |
| 1804   | 86,427,121    | 85,000,000    | 77,699,074    | 1,042,404 |
| 1805   | 82,312,150    | 120,000,000   | 96,566,021    | 1,140,369 |
| 1806   | 76,723,271    | 129,000,000   | 101,536,963   | 1,206,736 |
| 1807   | 69,218,399    | 138,500,000   | 108,343,150   | 1,268,548 |
| 1808   | 65,196,318    | 56,990,000    | 22,439,960    | 1,242,596 |
| 1809   | 57,023,192    | 59,400,000    | 52,203,231    | 1,350,281 |
| 1810   | 53,173,217    | 85,400,000    | 66,757,974    | 1,424,783 |
| 1811   | 48,006,598    | 53,406,080    | 61,316,631    | 1,232,502 |
| 1812   | 45,209,738    | 77,030,000    | 38,627,226    | 1,269,997 |
| 1813   | 55,962,828    | 22,006,000    | 27,855,997    | 1,666,628 |
| 1814   | 81,487,846    | 12,965,000    | 6,927,441     | 1,162,209 |
| 1815   | 99,533,660    | 113,041,274   | 52,557,753    | 1,368,127 |
| 1816   | 127,334,934   | 147,103,000   | 81,920,452    | 1,372,218 |
| 1817   | 123,491,965   | 99,260,000    | 87,671,569    | 1,399,911 |
| 1818   | 103,466,634   | 121,750,000   | 93,251,133    | 1,225,184 |
| 1819   | 95,529,648    | 87,125,000    | 70,142,521    | 1,260,751 |
| 1820   | 91,015,566    | 74,450,000    | 69,691,669    | 1,280,166 |
| 1821   | 89,987,428    | 62,586,724    | 64,974,332    | 1,298,968 |
| 1822   | 93,546,677    | 83,241,541    | 72,160,281    | 1,324,699 |
| 1823   | 90,876,877    | 77,579,267    | 74,699,030    | 1,326,565 |
| 1824   | 90,269,778    | 80,549,007    | 75,966,657    | 1,339,163 |
| 1825   | 83,788,433    | 96,340,075    | 99,635,398    | 1,423,112 |
| 1826   | 81,064,060    | 84,974,477    | 77,696,322    | 1,534,190 |
| 1827   | 73,987,357    | 79,484,068    | 82,324,827    | 1,620,608 |
| 1828   | 67,475,044    | 88,509,824    | 72,264,696    | 1,741,392 |
| 1829   | 58,421,414    | 74,492,527    | 72,358,671    | 1,260,978 |
| 1830   | 48,565,406    | 70,876,920    | 73,949,508    | 1,191,776 |
| 1831   | 39,123,192    | 103,191,134   | 81,310,583    | 1,267,846 |
| 1832   | 24,322,236    | 101,029,266   | 87,176,943    | 1,439,450 |
| 1833   | 7,001,699     | 108,118,311   | 90,140,433    | 1,601,180 |
| 1834   | 4,760,082     | 126,521,332   | 104,236,973   | 1,768,907 |
| 1835   | 37,733        | 149,896,742   | 121,693,577   | 1,824,940 |
| 1836   | 37,513        | 189,980,036   | 128,663,040   | 1,892,102 |
| 1837   | 1,878,224     | 140,989,217   | 117,419,376   | 1,896,635 |
| 1838   | 4,867,660     | 108,486,616   | 113,717,404   | 1,995,639 |
| 1839   | 11,963,738    | 121,028,416   | 162,092,132   | 2,096,478 |
| 1840   | 5,125,078     | 131,571,950   | 104,805,891   | 2,180,764 |
| 1841   | 6,737,398     | 127,946,177   | 121,851,803   | 2,130,744 |
| 1842   | 15,026,486    | 100,162,067   | 104,691,534   | 2,092,390 |
| 1843   | 26,898,963    | 84,753,799*   | 84,346,480*   | 2,155,602 |
| 1844   | 26,143,996    | 108,435,035†  | 111,200,046†  | 2,280,096 |
| 1845   | 16,801,647    | 117,254,564†  | 114,646,606†  | 2,417,002 |
| 1846   | 24,256,496    | 121,691,797†  | 113,488,516†  | 2,562,064 |
| 1847   | 46,669,659    | 146,546,638   | 168,648,622   | 2,839,046 |

\* Only nine months of 1843.

† For the year ending June 30.

## XI. PUBLIC LANDS.

[From the Land Commissioner's Report for 1847.]

THE sales of public lands during the year 1846 amounted to 2,263,730 acres, producing \$2,904,637.27; and in the first, second, and third quarters of 1847, 1,893,024 acres were sold, amounting to \$2,366,352. During the year 1847 the aggregate quantity of public lands in all the States and Territories proclaimed for sale amounted to 9,138,531 acres.

The first Mexican bounty land-warrant issued from the Pension Office under the Act of February 11, 1848, § 9, for 160 acres, is dated 19th March, 1847, and was registered in the Land Office, 20th March, 1847. The first warrant for 40 acres bears date 7th April, 1847, and was registered 8th April, 1847. To the 30th November, 1847, 7,317 warrants have been issued for 160 acres of land, and 1,128 warrants for 40 acres, making in all 8,445 warrants, amounting to 1,215,840 acres. Of this number 95 warrants only, embracing 13,520 acres, have been returned as located for patents.

Preliminary reports have been made by Dr. C. T. Jackson and his assistants, of the geological examination, made by them during the summer of 1847, in the northern peninsula of Michigan, and a similar report is given by Dr. D. D. Owen, of geological explorations during the same period in Wisconsin and Iowa. These reports, as well as those of Messrs. McNair and Roberts, of their operations as mineral agents in the northern peninsula of Michigan, are contained in the Land Commissioner's Report.

1. *Exhibit of the Quantities of Public Land (exclusive of the Sixteenth, or School Sections) in each State and Territory advertised for Sale in the Year 1847; the Quantities, the Plats of Survey of which have been returned to the General Land Office; the Quantities prepared for Market not yet advertised; and the Probable Quantities which will be prepared in the Year 1848.*

| States and Territories. | Quantities advertised for sale in the year 1847. | Quantities, the plats of survey of which have been returned to the General Land Office. |  | Quantities prepared for market, and not yet advertised for sale. | Estimated quantities, the plats of survey of which are expected to be returned in the year 1848. |
|-------------------------|--|---|--|--|--|
|                         |  | Prior to the Commissioner's last annual report.   | Since the Commissioner's last annual report. |  |  |
|                         | Acres.   | Acres.  | Acres.                                       | Acres.   | Acres.   |
| Ohio,                   | Wyandot lands, the unsold improved.              |   |  |  |  |
|                         | 721,272  | 281,524   | 440,818                                      | 1,070  |  |
| Indiana,                |  | 1,789,484   | 734,107                                      | 2,523,591  | 450,000  |
| Michigan,               |  | 27,975  |  | 27,975   |  |
| Illinois,               | 668,019  |   | 668,019                                      |  | 2,100,000  |
| Wisconsin,              | 2,549,532  | 335,087   | 2,986,337                                    | 771,842  | 2,230,000  |
| Iowa,                   | 1,430,123  | 297,073   | 1,315,347                                    | 182,297  | 1,000,000  |
| Missouri,               | 2,516,150  | 1,496,330   | 1,359,098                                    | 339,278  | 1,200,000  |
| Arkansas,               | 257,137  | 1,069,794   | 98,974                                       | 931,631  | 325,000  |
| Louisiana,              | 12,891   | 3,082   | 9,809  |  |  |
| Mississippi,            |  | 89,825  |  | 89,825   | 23,775   |
| Alabama,                | 983,357  | 592,592   | 647,994                                      | 257,229  | 1,975,000  |
| Florida,                |  |   |  |  |  |
| Total,                  | 9,138,531  | 6,002,716   | 8,260,553                                    | 5,124,738  | 9,324,477  |

**2. Statement of Public Lands sold, and of Payments into the Treasury on Account thereof, in the Year 1846, and the 1st, 2d, and 3d Quarters of 1847.**

| States and Territories.              | Lands sold, after deducting erroneous entries. |                 | Amount received in cash, Treasury notes, forfeited land stock and military scrip, and Choctaw certificates. |                 |  |                       | Amount of incidental expenses. | Amount paid into the treasury during the year. |
|--------------------------------------|--|-----------------|---|-----------------|--|-----------------------|--------------------------------|--|
|                                      | Acres.   | Purchase money. | Cash.   | Treasury notes. | Forfeited land stock and military scrip. | Choctaw certificates. |                                |  |
| Ohio,                                | 78,012   | \$ 157,543      | \$ 156,196  |                 | \$ 1,346                                 |                       | \$ 7,038                       | \$ 150,827                                     |
| Indiana,                             | 115,742  | 145,170         | 144,970   | \$ 200          |  |                       | 10,604                         | 127,566  |
| Illinois,                            | 471,881  | 593,052         | 569,899   | 13,806          | 6,348                                    |                       | 29,193                         | 543,650  |
| Missouri,                            | 209,961  | 262,544         | 261,662   | 556             | 325                                      |                       | 14,945                         | 181,142  |
| Alabama,                             | 77,937   | 97,424          | 96,054  | 850             | 320                                      | \$ 200                | 11,713                         | 104,166  |
| Mississippi,                         | 121,401  | 152,325         | 63,871  |                 | 300                                      | 88,154                | 11,380                         | 47,907   |
| Louisiana,                           | 100,210  | 127,764         | 90,670  | 800             | 325                                      | 45,968                | 9,562                          | 61,221   |
| Michigan,                            | 32,494   | 43,556          | 43,556  |                 |  |                       | 5,672                          | 38,563   |
| Arkansas,                            | 55,772   | 69,716          | 52,377  | 1,250           |  | 16,088                | 9,902                          | 17,748   |
| Florida,                             | 36,839   | 46,074          | 46,074  |                 |  |                       | 6,543                          | 44,317   |
| Iowa,                                | 263,390  | 329,245         | 329,245   |                 |  |                       | 14,991                         | 284,897  |
| Wisconsin,                           | 700,086  | 893,218         | 889,068   | 3,363           | 10,796                                   |                       | 23,365                         | 798,961  |
| Total for 1846,                      | 2,263,724                                      | 2,904,631       | 2,713,642   | 20,815          | 19,758                                   | 150,410               | 155,108                        | 2,405,885                                      |
| Total for 1st & 2d quarters of 1847, | 1,111,076                                      | 1,424,136       | 1,385,075   | 14,049          | 3,055                                    | 68,966                | \$2,683                        | 1,440,801                                      |
| Total for 3d quarter of 1847,        | 727,948  | 945,216         | 941,601   | 2,097           | 1,517                                    |                       | 49,796                         | 896,883  |

**3. Area of each State and Territory, the Number of Acres surveyed, the Number under Contract and in Process of being surveyed, and the Number not yet surveyed or contracted for, in each.**

| State or Territory.  | Estimated area. | Number of acres surveyed. | Estimated number of acres under contract and in process of being surveyed. | Estimated number of acres not yet surveyed or contracted for. |
|--|-----------------|---------------------------|--|---|
|  | Acres.          | Acres.                    | Acres.   | Acres.  |
| Ohio,  | 25,361,593      | 25,361,593                | None.  | None.   |
| Indiana,   | 23,411,431      | 23,411,431                | None.  | None.   |
| Michigan,  | 36,426,294      | 27,697,966                | 300,000  | 10,428,368  |
| Iowa,  | 16,913,972      | 12,803,351                | 1,730,000  | 2,380,621   |
| Wisconsin,   | 47,175,292      | 12,455,825                | 1,500,000  | 33,219,467  |
| Illinois,  | 25,235,209      | 25,235,209                | None.  | Some detached tracts.   |
| Missouri,  | 43,169,028      | 39,838,171                | 650,000  | 2,680,857   |
| Arkansas,  | 33,086,548      | 31,565,998                | 1,200,000  | 320,640   |
| Mississippi,   | 30,153,054      | 30,153,054                | None.  | Some retracing.   |
| Louisiana,   | 28,297,602      | 19,906,897                | 325,000  | 8,065,705   |
| Alabama,   | 23,499,872      | 22,465,746                | Some retracing.  | 34,126  |
| Florida,   | 34,423,055      | 13,105,045                | 1,650,000  | 19,667,010  |
| Northwest Territory east of Rocky Mountains and west of Mississippi River, exclusive of ceded lands in Iowa, | 478,549,708     | None.                     | None.  | 478,549,708   |
| Northwest Territory west of Rocky Mountains,   | 218,536,320     | None.                     | None.  | 218,536,320   |
| Emigrant Indian lands west of Missouri and Arkansas,   | 132,295,680     | None.                     | None.  | 132,295,680   |

4. *Estimated Surface of the Territories of the United States north and west of the regularly organized States of the Union, and the Portions of Territory thereof situated north and south of the Parallel of 36° 30' North Latitude.*

[From a Statement of Hon. Richard M. Young, Commissioner of the Land Office, bearing date July 21, 1848, and published in the Washington Union.]

| Territories.   | Situated north of parallel 36° 30'. |               | Situated south of parallel 36° 30'. |             | Total.     |               |
|--|-------------------------------------|---------------|-------------------------------------|-------------|------------|---------------|
|  | Sq. miles.                          | Acres.        | Sq. miles.                          | Acres.      | Sq. miles. | Acres.        |
| <i>Oregon Territory.</i><br>Bounded on the north by the parallel of 49 degrees, north latitude, south by the parallel of 42 degrees, north latitude, east by the Rocky Mountains, and west by the Pacific Ocean.                             | 341,463                             | 218,536,320   |                                     |             | 341,463    | 218,536,320   |
| <i>Territory north and west of the Mississippi River.</i><br>Bounded on the north by the 49th degree, north latitude, east by the Mississippi River, south by the State of Iowa and the Plate River, and west by the Rocky Mountains.        | 723,248                             | 462,878,720   |                                     |             | 723,248    | 462,878,720   |
| <i>Wisconsin Territory.</i><br>East of the Mississippi River, and north of the State of Wisconsin, being the balance remaining of the old Northwest Territory.   | 22,336                              | 14,295,040    |                                     |             | 22,336     | 14,295,040    |
| <i>Indian Territory.</i><br>Situated west of the States of Missouri and Arkansas, and south of the Plate or Nebraska River, held and apportioned in part for Indian purposes.  | 190,505                             | 121,923,200   | 58,346                              | 37,341,440  | 248,851    | 159,264,640   |
| <i>Territory in Upper California and New Mexico.*</i><br>West of the Rio Grande to its source, and of a meridian line thence to the 42d degree, north latitude, ceded to the United States by the treaty with Mexico of 1848.                | 321,695                             | 205,884,800   | 204,383                             | 130,805,120 | 526,078    | 336,689,920   |
| Total.   | 1,569,247                           | 1,023,515,080 | 262,729                             | 168,146,560 | 1,831,976  | 1,191,661,640 |
| The part which lies east of the Rio Grande and west of the Nueces River, from the mouth of the former river up to a line drawn from a point a short distance north of the town of Paso to the source of the Esenado, is estimated to contain |                                     |               | 52,018                              | 33,291,520  | 52,018     | 33,291,520    |
| And the part which lies north of Paso and the Esenado River, up to the latitude of 42 degrees north.   | 43,537                              | 27,863,680    | 81,386                              | 52,093,440  | 124,923    | 79,957,120    |
| Making together,†  | 43,537                              | 27,863,680    | 1,33,414                            | 85,384,960  | 176,951    | 113,248,640   |

\* This estimate excludes all that part of Texas which lies outside of its limits, as designated by the yellow shaded lines on Disturnell's Map of Mexico.

† This estimate limits, as will be seen, our acquisitions of territory from Mexico, by the late treaty, exclusively to those portions of country lying west of the Rio Grande.

5. *Quantity of Public Land sold, and the Amount paid for it, in each Year, from 1833 to the Third Quarter of 1847.*

| Years. | Acres.        | Dollars.      | Years.  | Acres.        | Dollars.      |
|--------|---------------|---------------|---------|---------------|---------------|
| 1833   | 3,856,227.56  | 4,972,284.84  | 1841    | 1,164,796.11  | 1,463,364.06  |
| 1834   | 4,658,218.71  | 6,099,981.04  | 1842    | 1,129,217.58  | 1,417,972.06  |
| 1835   | 12,564,478.85 | 15,999,804.11 | 1843    | 1,605,264.06  | 2,016,044.30  |
| 1836   | 20,074,870.92 | 25,167,833.06 | 1844    | 1,754,763.13  | 2,207,678.04  |
| 1837   | 5,601,103.12  | 7,007,523.04  | 1845    | 1,843,527.05  | 2,470,303.17  |
| 1838   | 3,414,907.42  | 4,305,564.64  | 1846    | 2,263,730.81  | 2,904,637.27  |
| 1839   | 4,976,382.87  | 6,464,556.79  | 1847*   | 1,839,024.21  | 2,366,352.04  |
| 1840   | 2,236,889.74  | 2,789,637.53  | Total,† | 68,983,402.14 | 87,653,534.99 |

6. *Quantity of Land to which each of the new States is entitled under the Act of September 4th, 1841, § 8; the Number of Acres located by each and approved by the Secretary of the Treasury up to November 30th, 1847; the Number located, but suspended; and the Residue to which each of these States is respectively entitled.*

| States.      | Number of acres to which each State is entitled. | Number of acres located and approved by the Secretary of the Treasury. | Number of acres selected and suspended. | Residue of acres to which each State is yet entitled. |
|--------------|--|--|---|---|
|              | Acres.   | Acres.   | Acres.                                  | Acres.  |
| Arkansas,    | 500,000.00                                       | 463,184.69   | 31,652.74                               | 36,815.31   |
| Missouri,    | 500,000.00                                       | 499,917.62   |   | 82.38   |
| Louisiana,   | 500,000.00                                       | 242,722.57   | 31,027.99                               | 257,277.43  |
| Illinois,    | 209,085.50                                       | 208,980.05   |   | 105.45  |
| Michigan,    | 500,000.00                                       | 492,834.07   |   | 7,165.93  |
| Alabama,     | 100,000.00                                       |  |   | 100,000.00  |
| Florida,     | 500,000.00                                       |  | 101,905.75                              | 500,000.00  |
| Iowa,        | 500,000.00                                       |  |   | 500,000.00  |
| Mississippi, | 500,000.00                                       | 408,889.95   | 81,991.72                               | 91,110.05   |
| Total,       | 3,809,085.50                                     | 2,316,528.95   | 246,578.20                              | 1,492,556.55  |

## XII. MINT.

It is lawful for any person or persons to bring to the Mint gold and silver bullion to be coined; and the bullion so brought is there assayed and coined, as speedily as may be after the receipt thereof; and if of the standard of the United States, free of expense to the person or persons by whom it has been brought. But the Treasurer of the Mint is not obliged to receive, for the purpose of refining and coining, any deposit of less value than one hundred dollars, nor any bullion so base as to be unsuitable for minting. And there must be retained from every deposit of bullion below the standard, such sum as shall be equivalent to the expense incurred in refining, toughening, and alloying the same; an accurate account of which expense, on every deposit, is kept, and of the sums retained on account of the same, which are accounted for by the Treasurer of the Mint with the Treasurer of the United States.

\* Embracing only three quarters of the year. † Total for 14 years and three quarters.

*Officers of the Mint at Philadelphia.*

|                                       | Salary.  |                                      | Salary.  |
|---------------------------------------|----------|--------------------------------------|----------|
| R. M. Patterson, <i>Director</i> ,    | \$ 3,500 | Richard J. McCulloh, <i>Melter</i>   |          |
| Jas. Ross Snowden, <i>Treasurer</i> , | 2,500    | and <i>Refiner</i> ,                 | \$ 2,000 |
| Franklin Peale, <i>Chief Coiner</i> , | 2,000    | Jas. B. Longacre, <i>Engraver</i> ,  | 2,000    |
| Jacob R. Eckfeldt, <i>Assayer</i> ,   | 2,000    | W. E. Dubois, <i>Ass't Assayer</i> , | 1,300    |

*Officers of the Branch at New Orleans, La.*

|  |          |                                      |          |
|--|----------|--------------------------------------|----------|
| J. M. Kennedy, <i>Superintend.</i> ,         | \$ 2,500 | John Brooks, <i>Coiner</i> ,         | \$ 2,000 |
| Wm. P. Hort, <i>Assayer</i> ,                | 2,000    | John R. Macmurdo, <i>Treasurer</i> , | 2,500    |
| John L. Riddell, <i>Melt. &amp; Refin.</i> , | 2,000    |                                      |          |

*Officers of the Branch at Dahlonega, Ga.*

|                                       |          |                                  |          |
|---------------------------------------|----------|----------------------------------|----------|
| J. F. Cooper, <i>Superintendent</i> , | \$ 2,000 | Daniel H. Mason, <i>Coiner</i> , | \$ 1,500 |
| Isaac L. Todd, <i>Assayer</i> ,       | 1,500    |                                  |          |

*Officers of Branch at Charlotte, N. C.*

|  |          |                                 |          |
|--|----------|---------------------------------|----------|
| W. J. Alexander, <i>Superintend.</i> , | \$ 2,000 | John R. Bolton, <i>Coiner</i> , | \$ 1,500 |
| J. H. Gibbon, <i>Assayer</i> ,         | 1,500    |                                 |          |

1. *Statement of the Deposits for Coinage, at the Mint of the United States and its Branches, in the Year 1847.*

| <i>Gold.</i>                          |  |            |               |
|---------------------------------------|--|------------|---------------|
| From Mines in the United States,      |  | \$ 889,085 |               |
| Coins of the U. States, old standard, |  | 45,435     |               |
| Foreign Coins,                        |  | 19,392,379 |               |
| Foreign Bullion,                      |  | 292,645    |               |
| Total of Gold,                        |  |            | \$ 20,619,544 |
| <i>Silver.</i>                        |  |            |               |
| Bullion from the United States,       |  | \$ 6,407   |               |
| Foreign Bullion,                      |  | 253,267    |               |
| Foreign Coins,                        |  | 2,190,385  |               |
| Total of Silver,                      |  |            | 2,450,059     |
| Total,                                |  |            | \$ 23,069,603 |

2. *Statement of the Coinage of the Mint of the United States and Branches, in the Year 1847.*

| Denominations. | Pieces.   | Value.       | Denominations. | Pieces.    | Value.        |
|----------------|-----------|--------------|----------------|------------|---------------|
| <i>Gold.</i>   |           |              | <i>Silver.</i> |            |               |
| Eagles,        | 1,436,764 |              | Dollars,       | 140,750    |               |
| Half-Eagles,   | 1,080,337 |              | Half-Dollars,  | 3,740,000  |               |
| Quar.-Eagles,  | 192,829   |              | Quar.-Dolls.,  | 1,102,000  |               |
|                |           | \$20,221,385 | Dimes,         | 245,000    |               |
| <i>Copper.</i> |           |              | Half-Dimes,    | 1,274,000  | \$2,374,450   |
| Cents,         | 6,183,669 | 61,836.69    | Total,         | 15,392,344 | 22,657,671.69 |



3. Coinage of the Mint of the United States, from 1792, including the Coinage of the Branch Mints from the Commencement of their Operations, in 1838.

| Years.    | GOLD.         | SILVER.       | COPPER.      | WHOLE COINAGE. |                |
|-----------|---------------|---------------|--------------|----------------|----------------|
|           | Value.        | Value.        | Value.       | No. of Pieces. | Value.         |
| 1793 - 95 | \$ 71,485.00  | \$ 370,633.30 | \$ 11,373.00 | 1,834,420      | \$ 453,541.80  |
| 1796      | 102,727.50    | 79,077.50     | 10,324.40    | 1,219,370      | 192,129.40     |
| 1797      | 103,422.50    | 12,591.45     | 9,510.34     | 1,095,165      | 125,524.29     |
| 1798      | 205,610.00    | 330,291.00    | 9,797.00     | 1,368,241      | 545,698.00     |
| 1799      | 213,286.00    | 423,515.00    | 9,106.68     | 1,365,681      | 645,906.68     |
| 1800      | 317,760.00    | 224,296.00    | 29,279.40    | 3,337,972      | 571,335.40     |
| 1801      | 422,570.00    | 74,758.00     | 13,628.37    | 1,571,390      | 510,956.37     |
| 1802      | 423,310.00    | 58,343.00     | 34,422.83    | 3,615,869      | 516,075.83     |
| 1803      | 258,377.50    | 87,118.00     | 25,203.03    | 2,780,830      | 370,696.53     |
| 1804      | 268,642.50    | 100,340.50    | 12,844.94    | 2,046,839      | 371,827.94     |
| 1805      | 170,367.50    | 149,338.50    | 13,483.48    | 2,260,361      | 333,239.48     |
| 1806      | 324,505.00    | 471,319.00    | 5,260.00     | 1,815,409      | 801,084.00     |
| 1807      | 437,495.00    | 597,448.75    | 9,652.21     | 2,731,345      | 1,044,595.96   |
| 1808      | 284,665.00    | 634,300.00    | 13,090.00    | 2,935,888      | 982,055.00     |
| 1809      | 169,375.00    | 707,376.00    | 8,001.53     | 2,861,834      | 884,752.53     |
| 1810      | 501,435.00    | 638,773.50    | 15,660.00    | 3,056,418      | 1,155,863.50   |
| 1811      | 497,905.00    | 608,340.00    | 2,495.95     | 1,649,570      | 1,108,740.95   |
| 1812      | 280,435.00    | 814,029.50    | 10,755.00    | 2,761,646      | 1,115,219.50   |
| 1813      | 477,140.00    | 620,951.50    | 4,180.00     | 1,755,331      | 1,102,275.50   |
| 1814      | 77,270.00     | 561,687.50    | 3,578.30     | 1,833,859      | 642,535.80     |
| 1815      | 3,175.00      | 17,308.00     |              | 69,867         | 20,433.00      |
| 1816      |               | 28,575.75     | 28,209.82    | 2,888,135      | 56,785.57      |
| 1817      |               | 607,783.50    | 39,484.00    | 5,163,967      | 647,267.50     |
| 1818      | 242,940.00    | 1,070,454.50  | 31,670.00    | 5,537,084      | 1,345,064.50   |
| 1819      | 258,615.00    | 1,140,000.00  | 26,710.00    | 5,074,723      | 1,425,325.00   |
| 1820      | 1,319,030.00  | 501,680.70    | 44,075.50    | 6,492,509      | 1,664,786.20   |
| 1821      | 189,325.00    | 825,762.45    | 3,890.00     | 3,139,249      | 1,018,977.45   |
| 1822      | 88,980.00     | 806,806.50    | 20,723.39    | 3,813,788      | 915,509.89     |
| 1823      | 72,425.00     | 895,550.00    |              | 2,166,435      | 967,975.00     |
| 1824      | 93,200.00     | 1,752,477.00  | 12,620.00    | 4,786,894      | 1,858,297.00   |
| 1825      | 156,385.00    | 1,564,583.00  | 14,926.00    | 5,178,760      | 1,735,894.00   |
| 1826      | 92,245.00     | 2,002,090.00  | 16,344.25    | 5,774,434      | 2,110,679.25   |
| 1827      | 131,565.00    | 2,869,200.00  | 23,557.32    | 9,097,845      | 3,024,342.32   |
| 1828      | 140,145.00    | 1,575,600.00  | 25,636.24    | 6,196,853      | 1,741,381.24   |
| 1829      | 295,717.50    | 1,994,578.00  | 16,580.00    | 7,674,501      | 2,306,875.50   |
| 1830      | 643,105.00    | 2,495,400.00  | 17,115.00    | 8,357,191      | 3,155,620.00   |
| 1831      | 714,270.00    | 3,175,600.00  | 33,603.60    | 11,792,284     | 3,923,473.60   |
| 1832      | 798,435.00    | 2,579,000.00  | 23,620.00    | 9,123,387      | 3,401,055.00   |
| 1833      | 978,550.00    | 2,759,000.00  | 28,160.00    | 10,307,790     | 3,765,710.00   |
| 1834      | 3,954,270.00  | 3,415,002.00  | 19,151.00    | 11,637,643     | 7,388,423.00   |
| 1835      | 2,186,175.00  | 3,443,003.00  | 39,439.00    | 15,996,342     | 5,663,667.00   |
| 1836      | 4,135,700.00  | 3,606,100.00  | 23,100.00    | 13,719,333     | 7,764,900.00   |
| 1837      | 1,148,305.00  | 2,096,010.00  | 55,583.00    | 13,010,721     | 3,299,898.00   |
| 1838      | 1,809,595.00  | 2,333,243.00  | 53,702.00    | 15,780,311     | 4,206,540.00   |
| 1839      | 1,355,885.00  | 2,189,296.00  | 31,286.61    | 11,811,594     | 3,576,467.61   |
| 1840      | 1,675,302.50  | 1,726,703.00  | 24,627.00    | 10,558,240     | 3,426,632.50   |
| 1841      | 1,091,597.50  | 1,132,750.00  | 15,973.67    | 8,811,963      | 2,240,321.17   |
| 1842      | 1,834,170.50  | 2,332,750.00  | 23,833.90    | 11,743,153     | 4,190,754.40   |
| 1843      | 8,108,797.50  | 3,834,750.00  | 24,283.20    | 4,640,582      | 11,967,830.70  |
| 1844      | 2,230.00      | 2,235,550.00  | 23,987.52    | 9,051,834      | 7,687,767.52   |
| 1845      | 3,756,447.50  | 1,873,200.00  | 38,948.04    | 1,806,196      | 5,668,595.54   |
| 1846      | 4,034,177.00  | 2,558,580.00  | 41,208.00    | 10,133,515     | 6,633,965.00   |
| 1847      | 20,221,385.00 | 2,374,450.00  | 61,836.69    | 15,392,344     | 22,657,671.69  |
| Total,    | 72,565,927.50 | 71,426,464.90 | 1,145,611.21 | 330,631,960    | 145,137,993.61 |

### XIII. INCREASE OF POPULATION IN THE UNITED STATES AS AFFECTED BY IMMIGRATION.

It is an object of considerable importance to ascertain how rapidly the population of this country increases from natural causes alone, or what would be the rate of increase if no immigrants came hither. There is reason to believe that great mistakes have been committed in this respect; that writers on the law of population — the Malthusians particularly, who wish to make out the human race to be as prolific as possible — have not made allowance enough for the effects of immigration, and therefore have greatly over-estimated the rapidity of increase here, where it is certain that the growth of the population is not checked by a deficiency of food. A census of the people is taken every ten years, and these decennial returns would show very clearly what the rate of increase is, if it were not for the disturbing and fluctuating effect of the tide of removal, which constantly sets westward, and the magnitude of which it is impossible to ascertain from official returns with any approach to correctness. A list is made up, from year to year, of the number of passengers who arrive in our Atlantic and Southern ports, and the total is published in official documents, with an air of precision and minuteness, as if the information were of some value. But it is notorious, that the enumeration is carelessly made, at many points of arrival no record is kept, no account is taken of those who subsequently return to the Old World, and the multitudes who yearly cross the Canada frontier are not counted at all. Overlooking these causes of error, these yearly returns have been held to prove that the effect of immigration was very slight, and during certain periods of our history, that it might be left out of the calculation altogether, without materially vitiating the result. Thus, Dr. Seybert estimated that, from 1790 to 1810, the immigrants did not exceed, on an average, 6,000 a year; and as, in that interval, the population increased from less than four millions to more than seven and a quarter millions, he held that the effect of immigration was very slight indeed; and in this conclusion he has been eagerly followed by the Malthusians, whose doctrine is, that our population doubles at least as often as once in twenty-five years, from the natural excess of births over deaths. Again, Seybert says that the year 1817 was remarkable for the great number of foreigners who came hither, owing to the recent close of the war, and the agricultural distress which then prevailed in England; yet he places the number of immigrants for this year at only 22,000; and as there were certainly very few during the three years of the war, the yearly average for this decennial period was supposed to be very small; though absolutely larger than it was during the preceding twenty years, yet relatively to the total increase of the population it was hardly as great. Out of an increase of 2,400,000, not more than 120,000 was attributed to immigration.

A comparison of the several States with each other, and also of the white and colored races, distinguishing the slaves from the free colored persons, shows in a striking manner the imperfection of the data afforded by the decennial enumerations alone, when considered as means for calculating the true law of the growth of population from natural causes. In Massachusetts, for instance, the rate of increase of the whole population, from 1810 to 1820, was 10.8 per cent.; from 1820 to 1830, it was 16.6 per cent.; from 1830 to 1840, it was 20.8 per cent. In Virginia, from 1810 to 1820, the rate for the whole population was 9.3; from 1820 to 1830, it was 13.7; from 1830 to 1840, it was but 2.3. These two are Atlantic States, from which the stream of emigration flows westward, keeping down the apparent rate of increase. But take instances from the Western States, which are constantly receiving emigrants from the older settlements. In Ohio, from 1810 to 1820, the rate was 152 per cent; from 1820 to 1830, it was 61; from 1830 to 1840, it was 62. In Kentucky, during the same periods, the rates were 38.8, 21.9, and 13.3. It is obvious, that rates of increase fluctuating so rapidly and widely as these afford no clue whatever to the law of the natural growth of population by the excess of births over deaths.

In the following table we give the rates of increase for the whole population of the United States, at decennial periods, distinguishing the whites both from the free colored and the slaves.

*Rates of Increase per cent.*

| Periods.          | For the Whites. | For the Free Colored. | For the Slaves. | For the Total Population. |
|-------------------|-----------------|-----------------------|-----------------|---------------------------|
| From 1790 to 1800 | 35.6            | 82.0                  | 27.9            | 35.0                      |
| 1800 to 1810      | 36.1            | 72.0                  | 33.4            | 36.4                      |
| 1810 to 1820      | 34.1            | 25.2                  | 29.1            | 33.1                      |
| 1820 to 1830      | 33.9            | 36.8                  | 30.6            | 33.4                      |
| 1830 to 1840      | 34.6            | 20.8                  | 23.8            | 32.6                      |
| Average,          | 34.8            | 47.3                  | 28.9            | 34.1                      |

The influx of slaves from abroad ceased before 1810, the trade in them being prohibited, and the law in this respect being very rigidly observed. Still, the rates here given for them for the three following decennial periods must be somewhat below the rates of their increase from natural causes, as numbers of them were emancipated or obtained their freedom by flight, thus increasing the number of the free blacks. Accordingly, the rates for these three periods are too low for the slaves, but too high for the free colored, though the latter were probably not at all increased by immigration from abroad. For the whites, the rate of increase is quite constant and very high, showing that the stream of immigration has in truth very rapidly increased, since it has kept quite even pace with the natural growth of the white population, which was but little over three millions in 1790, while it exceeded fourteen millions in 1840. Many slaves were imported between 1790 and 1810, but the enormous rates of increase of the free blacks at this period show that many of them also were emancipated. The

rate for the free colored falls off very decidedly after 1810, and during the last decennial period, it amounts to less than 21 per cent., though their number must still have been largely augmented by emancipated and fugitive slaves. It is certain that the increase of this class from natural causes is much slower than that of the whites or the slaves; probably it does not exceed 15 per cent. for ten years.

But our chief object is to ascertain how much of the rapid growth of the white population is attributable to immigration, or how many years it would take for the whites to double their number, if their increase depended only on the excess of births over deaths. Now, there is a mode, — first suggested, we believe, by Mr. Godwin, — of deducing by calculation, with a very near approach to correctness, from the number of those who, at each decennial census, are found to be less than ten years of age, the true law of increase so far as it depends on natural causes alone; — or, in other words, of eliminating the effects of immigration. The principle of this calculation can be very easily explained. It is evident, that all those who, in 1840, are found to be under ten years of age, have been added to the population since the census of 1830; if we knew precisely how many of those included in the enumeration of 1830 had died during the following ten years, by subtracting the number of these deaths from that of the children under ten years old in 1840, the remainder would show the natural increase of the population during these ten years, or its growth from procreation alone. Suppose, for instance, that in 1840 there were four and a half millions of white children under ten years of age, and that one and a half millions of those who were counted in 1830 had died before 1840: — then, the growth of the white population during these ten years, from procreation alone, was but three millions, while the census shows a growth of 3,662,970. In other words, 662,970 foreigners came into this country during the period in question. This is a supposed case, because our data are incomplete; we do not know exactly how many of those who were alive in 1830 had died before 1840; but we can estimate their number with tolerable correctness. It is known that in civilized countries, of an average degree of healthiness, from one seventh to one sixth of those who are alive at any one period die in the next ten years.

Take, for instance, the slave population of the United States, which we know was not increased at all by immigration during the ten years following 1830. The total increase of the slaves during this period, according to the census, was 478,324; the slave children in 1840, under ten years of age, were 844,069; the difference between these two numbers, or 365,745, represents the loss by death and other causes on the slave population of 1830. This is a loss of rather more than 18 per cent., which is too great to be attributed to death alone; the other causes, which have concurred with death to keep down the increase of slaves, are, of course, emancipation and flight. Applying a similar calculation to the preceding decennial period, we find that the loss was but 15 per cent. on the population of 1820; very few could have been emancipated during these ten years.

Take, for another instance, the free colored population of this country, which is not affected by immigration, but is increased by the number of emancipated and fugitive slaves. The increase of free blacks during the ten years preceding 1840 was but 66,636; the number of them under ten years of age in 1840 was 111,492; the difference between these two numbers, or 44,856, represents the loss by death on the free colored population of 1830. This is 14 per cent., which is certainly too small, as that for the slaves was too great; because the number of the free blacks was kept up by emancipation as well as by births. Probably the middle rate between the two, or 16 per cent., nearly one sixth, is that which fairly represents the loss by death alone during ten years.

A few European examples will show that this is a fair proportion. The increase of the population of Sweden, from 1825 to 1835, was 254,187; the number under ten in 1835 was 730,128; the difference of these is 475,941, which makes the loss on the population of 1825 to be 17 per cent. In the Netherlands, the two censuses taken in 1830 and 1840 show in a similar manner that the population of the former period was diminished by 18.6 per cent., a fraction so large that we must suppose it to have been increased by emigration. In England, from 1831 to 1841, the corresponding fraction was but 14.3 per cent., which is so small that we are led to conclude that the immigration of the Irish and Scotch more than counterbalanced the departure of the English. The returns of the registration of deaths seem to prove that the diminution of a given population by death alone in ten years is from 15 to 16 per cent. On the whole, it is safe to take 16 per cent. as the medium.

With this datum, let us look at the white population of the United States. In 1830, it was 10,526,248; in 1840, it was 14,189,218, thus showing an increase of 3,662,970. But the whites under ten years of age in 1840 were 4,485,130, a number which exceeds this increase by only 822,160, which is less than 8 per cent. on the population of 1830, or less than half of the true proportion of deaths. Take the preceding ten years, and we find the proportion still much too small, though somewhat larger than in the last decennial period. The white population in 1820 was 7,866,539; the census of 1830 showed an increase on this of 2,659,709. But the whites under ten in 1830 were 3,427,730, which exceeds the increase by only 768,021, or less than 10 per cent., on the population of 1820. Going back still another decennial period, we find the proportion to be 10.6 per cent.; from 1800 to 1810, it was still 10.6 per cent., and from 1790 to 1800, it was 11 per cent. The differences between these several rates and 16 per cent., which is the true proportion of deaths, show the effect of immigration.

The following table shows the result of the calculation more clearly. The number in the second column is obtained by deducting 16 per cent., for deaths in 10 years, from the number in the first column. The fourth column is obtained by adding together the numbers in the second and third columns, and shows what the population in 1800 would have been, if there

had been no immigration. The sixth column, obtained by subtracting the fourth from the fifth, shows the number of immigrants from 1790 to 1800.

| White Population in 1790. | 84 per cent. alive in 1800. | Whites under 10 years old in 1800. | Calculated Population in 1800. | Actual Pop. in 1800, as shown by Census. | Number of Immigrants from 1790 to 1800. |
|---------------------------|-----------------------------|------------------------------------|--------------------------------|--|---|
| 3,172,464                 | 2,664,869                   | 1,479,315                          | 4,144,184                      | 4,304,489                                | 160,305                                 |

It should be observed, that the last column shows the number, not only of actual immigrants, but of the children who were born to these immigrants after their arrival in this country, before the next decennial census was taken. The following table is a mere continuation of the preceding one, for each of the decennial periods at which a census has been taken of our people.

| Date.  | White Population. | 84 per cent. alive 10 years afterwards. | Whites under 10 years old 10 years afterwards. | Calculated Population 10 years afterwards. | Actual Population, as shown by the next Census. | No. of Immigrants in these 10 Years. |
|--|-------------------|---|--|--|---|--------------------------------------|
| 1790   | 3,172,464         | 2,664,869                               | 1,479,315                                      | 4,144,184                                  | 4,304,489                                       | 160,305                              |
| 1800   | 4,304,489         | 3,615,770                               | 2,016,479                                      | 5,632,249                                  | 5,862,004                                       | 229,755                              |
| 1810   | 5,862,004         | 4,924,083                               | 2,625,790                                      | 7,549,873                                  | 7,861,937                                       | 312,064                              |
| 1820   | 7,861,937         | 6,604,027                               | 3,427,730                                      | 10,031,757                                 | 10,526,248                                      | 494,491                              |
| 1830   | 10,526,248        | 8,842,048                               | 4,485,130                                      | 13,327,178                                 | 14,189,218                                      | 862,040                              |
| Whole number of immigrants in 50 years, from 1790 to 1840, |                   |   |  |  |   | 2,058,655                            |

This number may appear incredibly large ; but the census of Boston, taken in 1845, shows that foreigners make up one fourth of the population of the city, and if their children be counted with them, they constitute one third of the whole number of citizens. Nearly two fifths of the citizens of New York, according to the enumeration of 1845, are of foreign birth, and if their children be added, they form a majority in the city ; more than one eighth of the population of the State of New York are foreigners. If we add the immense German population in Pennsylvania, Ohio, and other States, the conclusion at which we have just arrived, that more than two millions of immigrants came hither in the half-century preceding 1840, will not seem extraordinary. And their number is increasing with marvellous rapidity ; it is quite certain that as many as 250,000 arrived in the single year 1847.

Of course, it is from the calculated population, or the fourth column in the preceding table, that the true rate of increase of the native population, from procreation alone, is to be deduced. Making the calculation on the principles of compound interest, we find that the yearly rate is about 2.39 per cent., and that the population would double in somewhat more than twenty-nine years. The latest European statisticians have placed the yearly rate as high as 3.27, and estimated that the number of the people would double in little over twenty years. But their data are wholly erroneous.

## XIV. THE ICE-TRADE OF THE UNITED STATES.

*By N. J. Wyeth, Esq.*

THE ice-trade of the United States was commenced by Frederic Tudor, of Boston, in 1805. This gentleman, having previously sent agents to the West Indies to procure information, determined to make his first experiment in that region. Finding no one willing to receive so strange an article on shipboard, he was compelled to purchase a vessel, the brig *Favorite*, of about 130 tons, which he loaded with ice from a pond in Saugus belonging to his father, and sent to St. Pierre, Martinique.

This first enterprise resulted in a loss of about \$4,500, but was, nevertheless, followed up until the embargo and war put an end to the foreign trade, at which period it had yielded no profit to its projector. Its operations had been confined to Martinique and Jamaica. After the close of the war, in 1815, Mr. Tudor recommenced his operations by shipments to Havana under a contract with the government of Cuba, which enabled him to pursue his undertaking without loss, and extend it, in 1817, to Charleston, S. C.; in the following year, to Savannah, Ga.; and in 1820, to New Orleans. In the mean time it had been tried again (by other parties) at Martinique and St. Thomas, and failed, and by Mr. Tudor at St. Jago de Cuba, where it also failed, after a trial of three years.

On the 18th May, 1833, the first shipment of ice was made to the East Indies, by Mr. Tudor, in the ship *Tuscany*, for Calcutta, and since that period he has extended his operations to Madras and Bombay.

Previously to 1832 the trade had been chiefly confined to the operations of the original projector, although several enterprises had been undertaken by other persons and abandoned. The increase of shipments to this period had been small, the whole amounting, in 1832, to 4,352 tons, which was taken entirely from Fresh Pond, in Cambridge, and shipped by Mr. Tudor, who was then alone in the trade. Up to this time the ice business was of a very complicated nature. Ship-owners objected to receive it on freight, fearing its effect on the durability of their vessels and the safety of voyages; ice-houses abroad and at home were required, and the proper mode of constructing them was to be ascertained. The best modes of preparing ships to receive cargoes were the subject of expensive and almost endless experiments. The machines to cut and prepare ice for shipping and storing, and to perform the operations of hoisting it into storehouses and lowering it into the holds of vessels, were all to be invented, involving much expense and vexation. Many of these difficulties have now been overcome, and since 1832 the trade has increased much, and appears destined to a still more rapid increase for some years. It has also been divided among many parties, and its methods have been further improved, and a knowledge of them more widely diffused.

The ice has been chiefly taken from Fresh and Spy Ponds, and since 1841 mainly transported on the Charlestown Branch Railroad, which was

constructed for that purpose. Quite recently, ice establishments have been made at most of the ponds near Boston, and it is probable that in a few years, the product of all these waters may be required to supply the trade. In the year 1839 the great quantity of ice cut at Fresh Pond, and the consequent difficulties which had arisen among the proprietors, as to where each should take ice, induced them to agree to distinct boundary lines, which were settled by three commissioners, viz. Simon Greenleaf, Levi Farwell, and S. M. Felton, Esquires, on the principle of giving to each the same proportion of contiguous surface of the lake, as the length of his shore-line was to its whole border. This settlement was made by partition deed, executed by all the owners, and recorded in the registry of deeds of Middlesex county. Published maps were also placed in public institutions and private hands. These maps show the direction and length of the boundary-lines of each owner, and the area. This arrangement has been of great advantage to the parties, and enabled them to secure more ice than could otherwise be taken from a pond of equal extent.

The shipments of ice from Boston coastwise for the year ending Dec. 31st, 1847, amounted to 51,887 tons, and were made to the following places, viz. : —

|                     |                       |                      |
|---------------------|-----------------------|----------------------|
| Philadelphia, Pa.   | Wilmington, N. C.     | Mobile, Ala.         |
| Baltimore, Md.      | Fayetteville, N. C.   | Columbus, Miss.      |
| Georgetown, D. C.   | Washington, N. C.     | St. Marks, Fa.       |
| Washington, D. C.   | Elizabeth City, N. C. | Key West, Fa.        |
| Alexandria, Va.     | Charleston, S. C.     | Pensacola, Fa.       |
| Richmond, Va.       | Beaufort, S. C.       | Apalachicola, Fa.    |
| Petersburg, Va.     | Savannah, Ga.         | New Orleans, La.     |
| Portsmouth, Va.     | Macon, Ga.            | Thibadeauxville, La. |
| Norfolk, Va.        | Augusta, Ga.          | Galveston, Texas.    |
| Fredericksburg, Va. |                       |                      |

These shipments were made in ships, 49 ; barks, 39 ; brigs, 45 ; schooners, 125 ; making in all 258 vessels.

The ice shipped to foreign ports during the same period amounted to 22, 591 tons, and was sent to the following places, viz. : —

|                  |                 |                  |
|------------------|-----------------|------------------|
| Havana, Cuba.    | Antigua.        | Isle of Bourbon. |
| Matanzas, Cuba.  | St. Vincent.    | Manilla.         |
| Trinidad, Cuba.  | Nassau.         | Calcutta.        |
| St. Jago, Cuba.  | Jamaica.        | Madras.          |
| Martinique.      | Pernambuco.     | Bombay.          |
| St. Thomas.      | Demarara.       | Ceylon.          |
| St. Johns, P. R. | Honduras.       | Hong Kong.       |
| Mayaguez, P. R.  | Vera Cruz.      | Whampoa.         |
| Guadaloupe.      | Rio de Janeiro. | Batavia.         |
| Barbadoes.       | Mauritius.      | Liverpool.       |
| Trinidad.        |                 |                  |

These shipments were made in ships, 21 ; barks, 24 ; brigs, 38 ; schooners, 12 ; making in all 95 vessels.



The freight paid during this year is supposed to have averaged as high as \$ 2.50 per ton, at which rate it would amount, on the 74,478 tons shipped abroad and coastwise, to . . . . . \$ 186,195

There is a great variation in the cost of securing ice and stowing it on board vessels, caused by winters favorable or otherwise for securing it, and by the greater or less expense of the fittings required for voyages of different duration, or by difference of season, when the shipments are made. Taking all these contingencies into consideration, the cost of ice when stowed on board may be estimated to average \$ 2 per ton, which would give for the quantity shipped . . . . . 148,956

There were in 1847 upwards of 29 cargoes of provisions, fruits, and vegetables shipped in ice to ports where otherwise such articles could not be sent,—say to Barbadoes, Trinidad, Demarara, Antigua, St. Vincent, Guadaloupe, St. Thomas, Honduras, and Calcutta,—the invoiced cost of which at Boston would average about \$ 2,500 each, . . . . . 72,500

To these items may be added the profits of the trade to those engaged in it, . . . . . 100,000

Total returns, . . . . . \$ 507,651

It is probable that the commercial marine of the United States has been materially increased by the operations of the ice-trade. A large portion of the vessels formerly engaged in the freighting trade from Boston sailed in ballast, depending for remuneration on freights of cotton, rice, tobacco, sugar, &c., to be obtained in more Southern latitudes, often competing with the vessels of other nations which could earn a freight out and home. Now a small outward freight from Boston can usually be obtained for the transportation of ice to those places where freighting vessels ordinarily obtain cargoes. The ice-trade has generally been unsuccessful to places where profitable return freights cannot be obtained, because to such places a heavy freight must be paid on the ice, which it cannot bear; and also because Southern places, which do not produce valuable exports, are usually unable to consume expensive luxuries.

The methods and materials for preparing vessels for the transportation of ice have been various. Formerly their holds were oiled up at the sides, bottom, and top, with boards nailed to joist ribs secured to the skin of the vessel, and with double bulkheads forward and aft. The spaces thus formed were filled with refuse tan, rice-hulls, meadow-hay, straw, wood-shavings, or like materials. These spaces were made of a thickness proportionate to the length of the voyage, and with reference to the season. The immediate surface of the ice was covered with the same materials, excepting tan. At the present time sawdust is used almost exclusively for voyages of considerable length. It is placed immediately between the ice and the skin of the vessel. This material is obtained from the State of Maine, and before its use for this purpose was entirely wasted at the

water-mills, and, falling into the streams, occasioned serious obstructions. During the year 1847, 4,600 cords were brought to Boston, at an average value of \$2.50 per cord, delivered. The lumber is also wholly from the State of Maine. The value of it is, however, small, in the present mode of fitting vessels.

Almost the whole value of the returns of the ice-trade, including freight, are a gain to this country. The ice itself, the labor expended on it, the materials for its preservation, and the means of its transportation, would be worthless if the trade did not exist.

The prices at which ice sells in places where there is competition vary constantly. In Havana, where it is a monopoly, it is sold at 6½ cents per pound, and there the trade has not increased since 1832, when the shipments were 1,112 tons, while at New Orleans, where it has been sold at from half a cent to three cents per pound, it has increased during the same period from 2,310 tons to upwards of 28,000. At Calcutta the trade commenced, in 1833, with a shipment for that year of 201 tons, and the price has never been above 6 cents per pound, and is now about 2½ cents. The export to that place had increased in 1847 to 3,000 tons, but probably less than one fifth of that quantity is actually sold, owing to the great length of the voyage.

The consumption of ice in Boston and its vicinity during the year ending 31st December, 1847, was 27,000 tons, about two thirds of which was transported to Charlestown on the Charlestown Branch Railroad, and thence distributed through that place and Boston. The remainder was sent direct from the ice-houses, on wagons, to the place of ultimate delivery. 22 two-horse and 44 one-horse wagons were employed in the delivery of this ice, for a time, probably, equal to 4½ months, at an expense for two-horse wagons of \$4 per day, including drivers and tolls, or for 22 wagons, . . . . . \$11,880

And for 44 one-horse wagons, at \$2.75 per day, for the same period, 16,335

The cost of putting up and securing ice varies essentially with the character of the seasons, but must average, with the rent of the buildings in which it is stored, and the rent of "ice privileges," from which it is taken, and the waste which unavoidably occurs, as much as 65 cents per ton, or, for 27,000 tons, . . . 17,550

To which should be added the transportation by railroad of 18,000 tons, say average 50 cents per ton, . . . . . 9,000

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Total cost, . . . . . \$54,765

It is retailed at prices varying as the quantities delivered are larger or smaller. It is supposed to average about 13½ cents per hundred pounds, or for 27,000 tons \$72,900, leaving a profit of \$18,135, to be divided among the seven principal ice-dealers.

Ice being shipped and used at all seasons, large storehouses are required to preserve it. Exclusive of ice-houses on the wharves at Charlestown and East Boston, in which ice is stored for short periods, there had been erected in 1847, and previously, —

|   |               |
|---|---------------|
| At Fresh Pond, in Cambridge, ice-houses capable of containing | 86,732 tons.  |
| At Spy Pond, in West Cambridge, . . . . .                     | 28,000 "      |
| At Little Pond, " . . . . .                                   | 2,400 "       |
| At Wenham Pond, . . . . .                                     | 13,000 "      |
| At Medford Pond, . . . . .                                    | 4,000 "       |
| At Eel Pond, in Malden, . . . . .                             | 2,000 "       |
| At Horn Pond, in Woburn, . . . . .                            | 4,000 "       |
| At Sumner's Pond, . . . . .                                   | 1,200 "       |
| Total, . . . . .  | 141,332 tons. |

The ice-houses now in use are built above ground. In southern countries, where ice is most valuable, they are constructed at greater expense, usually of brick or stone, and the protection to the ice consists in air spaces, or in dry, light vegetable substances inclosed between two walls. In this vicinity, on the borders of the lakes, where ice is least valuable, they are usually built of wood, in which case they are of two walls, formed by placing two ranges of joist upright, framed into plates at the top, and placed in the ground at the bottom, or framed into sills; these two ranges are ceiled with boards secured to that side of each range which is nearest the other, and the space between the two boardings filled with refuse tan wet from the yards. This wet tan is frozen during the winter, and until it is thawed in the spring and summer, little waste occurs; afterward the waste is more rapid, but, as a large portion of the ice is shipped or otherwise used before this takes place, the loss in quantity is small, and, occurring before the expenses of transportation have been paid, is of less pecuniary moment.

In one instance, brick has been used in the construction of an ice-house which covers 36,000 feet of land, and the vaults of this ice-house are 40 feet in depth, and its walls are four feet thick from outside to inside, inclosing two sets of air-spaces. Such a construction is more costly, but has the advantage of durability and safety from fire, to which ice-houses are much exposed from the frequent juxtaposition of railroad-engines, and the light, dry materials used about them to cover and otherwise preserve ice.

In the winter of 1847 about \$650 were paid daily for labor of men, and \$230 for that of horses, when the weather was most favorable for cutting ice. Such activity is, however, of short duration, as there are not generally more than 20 days in a season which are really favorable to the operation of securing ice. The price paid is usually \$1 per day for horses and men.

At first, the implements of husbandry only were used in securing ice, but as the trade became more important, other machines and different methods were adopted, and abandoned when better were brought forward, or when the increased magnitude of the business required greater facilities. More ice is now secured in one favorable day than would have supplied the whole trade in 1832. Ordinarily, before there has been cold enough to form ice of suitable thickness, snows fall on its surface. If this occurs when the ice is four or more inches in thickness, and the snow not heavy enough to sink the ice, it can be removed by using horses attached to the

"snow-scraper"; and under such circumstances this is the method in common use. But if snow falls so heavy as to bring the water above the surface of the ice, it is removed, after it has congealed into snow-ice, with the "ice-plane," which takes off about 2 inches deep and 22 wide of its surface. This machine is drawn by two horses, and is guided by inserting its "guides" into grooves previously made with the "ice-cutter." The chips made by it are scraped off in the same manner as dry snow. These preliminary expenses are often very great; frequently, after much expense has been incurred to remove a body of snow or snow-ice, the weather becomes warm and spoils the ice on which so much has been expended. And, on the other hand, if it is not done and the cold continues, there will be little or no increase of thickness to the ice, which is equally a disaster.

When ice has been formed of sufficient thickness, and freed from snow and snow-ice, it is reduced to blocks of uniform size, ordinarily 22 inches square, by the "ice-cutter." This machine is similar to a carpenter's plough, except that it has a series of cutting chisels, one succeeding another, and deepening the groove. It is drawn by a horse, and cuts at one passage about two inches deep, and if the ice requires to be planed to remove snow-ice, the guides of the "snow-plane" are used in grooves of this depth, but when grooves are required to split from, the "ice-cutter" should be drawn two or three times through each. These grooves should be parallel to each other, and to make them so, the "ice-cutter" has a guide, which is placed in the last groove made. When the grooves in one direction have been made, others at right angles with them are produced in the same manner. After this has been done, one groove at the end is opened, and also the two outside grooves; a wedging bar is then stricken into the groove next the end one, and at several places along its length, which detaches it easily from the mass; then the same bar is forced, with a slight blow, into the transverse grooves, which reduces the ice to very uniform square blocks. The blocks of ice thus formed are brought to the receiving-doors of the ice-houses, (which are built on the immediate borders of the ponds,) either by placing them on sleds, or floating in canals cut through the ice. Various modes of elevating the ice are in use; the endless chain, in combination with the inclined plane, has been successfully used, and also the common pile-driving steam-engine; but at present, horse-power is more used than any other. The ice is placed in the houses in regular courses, every block exactly covering the next below it. When a vault has been filled, it is immediately covered with wood-shavings and the receiving-doors fitted up, to prevent waste, until the contents are required for shipment abroad or use at home.

The weight of ice for shipment is usually determined at the wharves, immediately before being put on shipboard, on scales which have been constructed for the purpose; and this single operation settles the weight to be paid for by the party for whose account the ice is shipped; the amount due for freight on shipboard, for transportation on the railroad, and that which is to be received by the owner of the ice.

# XV. STATEMENT OF THE NUMBER AND DESIGNATION OF PASSENGERS ARRIVING IN THE UNITED STATES DURING THE YEAR ENDING SEPTEMBER 30, 1847.

[From a Letter of the Secretary of State to the Speaker of the House of Representatives, dated March 3, 1848.]

## 1. States in which the Passengers arrived.

| States.                   | Males.  | Females. | Sex not stated. | Total.  |
|---------------------------|---------|----------|-----------------|---------|
| Maine, . . . . .          | 3,436   | 2,370    |                 | 5,806   |
| New Hampshire, . . . . .  | 4       | 3        |                 | 7       |
| Massachusetts, . . . . .  | 11,958  | 8,365    | 511             | 20,834  |
| Rhode Island, . . . . .   | 134     | 74       |                 | 208     |
| Connecticut, . . . . .    | 43      | 31       |                 | 74      |
| New York, . . . . .       | 85,059  | 60,771   |                 | 145,830 |
| Pennsylvania, . . . . .   | 7,893   | 6,692    | 14              | 14,599  |
| Maryland, . . . . .       | 6,959   | 5,050    |                 | 12,009  |
| Virginia, . . . . .       | 422     | 274      | 178             | 874     |
| South Carolina, . . . . . | 119     | 45       |                 | 164     |
| Georgia, . . . . .        | 4       | 7        |                 | 11      |
| Florida, . . . . .        | 102     | 86       |                 | 188     |
| Louisiana, . . . . .      | 20,784  | 14,019   |                 | 34,803  |
| Texas, . . . . .          | 2,223   | 1,370    | 280             | 3,873   |
| Total, . . . . .          | 138,939 | 99,357   | 963             | 239,270 |

## 2. The Countries registered as the Birthplaces of the Passengers.

|                                      |         |                                       |         |
|--------------------------------------|---------|---------------------------------------|---------|
| Great Britain and Ireland, . . . . . | 128,838 | France, . . . . .                     | 20,055  |
| United States, . . . . .             | 4,514   | Prussia, . . . . .                    | 837     |
| British America, . . . . .           | 3,826   | Denmark, . . . . .                    | 13      |
| Germany, . . . . .                   | 73,444  | Switzerland, . . . . .                | 192     |
| West Indies, . . . . .               | 1,215   | Other countries, or unkn'n, . . . . . | 5,030   |
| Sweden and Norway, . . . . .         | 1,292   | Total, . . . . .                      | 239,256 |

## 3. Ages.

|                                   |        |                                    |         |
|-----------------------------------|--------|------------------------------------|---------|
| Less than 5 years, . . . . .      | 18,807 | Between 25 and 30 years, . . . . . | 36,987  |
| Between 5 and 10 years, . . . . . | 18,226 | “ 30 “ 35 “ . . . . .              | 24,314  |
| “ 10 “ 15 “ . . . . .             | 20,128 | “ 35 “ 40 “ . . . . .              | 16,645  |
| “ 15 “ 20 “ . . . . .             | 32,111 | Above 40 years, . . . . .          | 20,800  |
| “ 20 “ 25 “ . . . . .             | 46,570 | Not returned, . . . . .            | 4,976   |
|                                   |        | Total, . . . . .                   | 239,564 |

## 4. Occupations.

|                                    |        |   |         |
|------------------------------------|--------|---|---------|
| Laborers, . . . . .                | 37,572 | Women and children not counted in families, . . . . . | 1,055   |
| Servants, . . . . .                | 3,197  | Farmers, . . . . .                                    | 50,036  |
| Merchants, . . . . .               | 4,301  | Other occupations, or unknown, . . . . .              | 116,174 |
| Professional men, . . . . .        | 465    |   |         |
| Mechanics & Manufact'rs, . . . . . | 26,150 |   |         |

These tables include only those who were entered at the custom-house. If those who came to the United States by way of the British Provinces, and those not regularly entered at any custom-house, were reckoned, the number would be greatly increased.

Some discrepancies will be perceived in the above table; but these exist in the original document, the balances of which are sometimes forced.

## XVI. COMPARATIVE VIEW OF

| States.                             | Absolute Debt. | Contingent Debt. | Total Debt.  | Annual Interest on Absolute Debt. |
|-------------------------------------|----------------|------------------|--------------|-----------------------------------|
| Maine, . . . . .                    | \$ 1,008,200   |                  | \$ 1,008,200 | \$ 66,000                         |
| New Hampshire, . . . . .            | None.          |                  | None.        |                                   |
| Vermont, . . . . .                  | None.          |                  | None.        |                                   |
| Massachusetts, . . . . .            | 1,152,031      | \$ 5,049,555     | 6,201,586    | 58,888                            |
| Rhode Island, . . . . .             | 41,000         | 192,719          | 233,719      | 2,460                             |
| Connecticut, . . . . .              | None.          | 33,212           | 33,212       |                                   |
| New York, . . . . .                 | 22,879,390     | 1,567,190        | 24,446,580   | 1,262,561                         |
| New Jersey, . . . . .               | 37,000         |                  | 37,000       | 2,200                             |
| Pennsylvania, . . . . .             | 40,578,949     |                  | 40,578,949   | 2,002,240                         |
| Delaware, . . . . .                 |                |                  |              |                                   |
| Maryland, . . . . .                 | 10,827,062     | 5,348,000        | 16,175,062   | 649,623                           |
| Virginia, . . . . .                 | 7,880,302      | 1,432,876        | 9,313,178    | 462,228                           |
| North Carolina, . . . . .           | None.          | 977,000          | 977,000      |                                   |
| South Carolina, . . . . .           | 3,622,039      |                  | 3,622,039    | 217,322                           |
| Georgia, . . . . .                  | 1,579,875      | 200,000          | 1,779,875    | 94,792                            |
| Florida, . . . . .                  |                |                  |              |                                   |
| Alabama, . . . . .                  | 12,223,033     |                  | 12,223,033   | 566,000                           |
| Mississippi, . . . . .              | 2,271,707      | 5,000,000        | 7,271,707    | 136,000                           |
| Louisiana, . . . . .                | 1,380,566      | 14,857,565       | 16,238,131   | 78,914                            |
| Texas, . . . . .                    | 11,050,201     |                  | 11,050,201   |                                   |
| Arkansas, . . . . .                 | 2,769,336      | 848,891          | 3,618,227    | 164,660                           |
| Tennessee, . . . . .                | 3,337,856      |                  | 3,337,856    | 177,426                           |
| Kentucky, . . . . .                 | 4,608,735      |                  | 4,608,735    | 276,524                           |
| Ohio, . . . . .                     | 19,233,487     |                  | 19,233,487   | 1,163,509                         |
| Michigan, . . . . .                 | 2,290,768      | 425,000          | 2,715,768    | 137,446                           |
| Indiana, . . . . .                  | 6,221,778      |                  | 6,221,778    | 224,228                           |
| Illinois, . . . . .                 | 14,042,718     |                  | 14,042,718   | 700,000                           |
| Missouri, . . . . .                 | 684,997        |                  | 684,997      | 73,100                            |
| Iowa, . . . . .                     | 55,000         |                  | 55,000       | 5,550                             |
| Wisconsin, . . . . .                | None.          |                  | None.        |                                   |
| Total, . . . . .                    | 169,776,030    | 35,932,008       | 205,708,038  | 8,521,671                         |
| Total, near Jan. 1, 1847, . . . . . | 165,129,900    | 51,781,654       | 216,911,554  | 9,072,939                         |
| Total, " " 1846, . . . . .          | 179,635,022    | 44,388,805       | 224,023,827  | 9,930,052                         |

These tables are believed to be very accurate, being compiled almost exclusively from official reports made by the Treasurers and Auditors to the Legislatures of the several States, near the 1st of January, 1848. The account of the State debts, in particular, is full, and may be depended upon; that of the several kinds of property owned by the States of course is more defective, — for the State archives seldom afford complete materials for accurate accounts of this sort, and the property is sometimes estimated at a nominal valuation, which is much above its market value. The editor of the American Almanac respectfully invites his correspondents in the

## THE FINANCES OF THE STATES.

| States                    | Amount of<br>of<br>School Fund. | Other<br>Productive<br>Property. | Other Property<br>not now<br>productive. | Ordinary annual Expendi-<br>ture, exclusive<br>of Debts<br>and Schools. |
|---------------------------|---------------------------------|----------------------------------|--|---|
| Maine, . . . .            | \$ 350,000                      | \$ 598,265                       |  | \$ 125,000  |
| New Hampshire, . .        | None.                           | None.                            |  | 75,000  |
| Vermont, . . . .          | None.                           | None.                            |  | 90,000  |
| Massachusetts, . .        | 845,888                         | 6,862,507                        | \$ 1,500                                 | 336,000   |
| Rhode Island, . .         | 433,635                         |                                  |  | 45,000  |
| Connecticut, . . .        | 2,077,641                       | 406,000                          |  | 90,000  |
| New York, . . . .         | 6,450,342                       | 30,987,336                       |  | 820,000   |
| New Jersey, . . .         | 370,742                         | 226,253                          | 764,671                                  | 100,000   |
| Pennsylvania, . .         |                                 | 30,721,376                       | 520,000                                  | 350,000   |
| Delaware, . . . .         |                                 |                                  |  |   |
| Maryland, . . . .         |                                 | 4,608,970                        | 16,526,915                               | 180,300   |
| Virginia, . . . .         | 1,472,971                       | 6,644,041                        | 4,395,381                                | 530,000   |
| North Carolina, . .       |                                 |                                  |  |   |
| South Carolina, . .       |                                 | 4,371,255                        |  | 215,287   |
| Georgia, . . . .          | 263,000                         |                                  |  | 113,986   |
| Florida, . . . .          |                                 |                                  |  | 40,000  |
| Alabama, . . . .          | 1,015,856                       |                                  |  | 86,000  |
| Mississippi, . . .        |                                 |                                  | 2,000,000                                | 207,000*  |
| Louisiana, . . . .        |                                 |                                  | 2,416,938                                | 515,207   |
| Texas, . . . .            |                                 |                                  |  | 80,000  |
| Arkansas, . . . .         |                                 |                                  |  | 33,830  |
| Tennessee, . . . .        | 1,346,068                       | 4,837,430                        | 1,101,390                                | 165,000   |
| Kentucky, . . . .         | 1,221,819                       | 2,725,500                        | 3,000,000                                | 250,000   |
| Ohio, . . . .             | 1,519,372                       | 17,951,194                       | 771,674                                  | 190,000   |
| Michigan, . . . .         | 496,000                         | 698,619                          |  | 95,000  |
| Indiana, . . . .          | 2,195,149                       |                                  |  | 90,000  |
| Illinois, . . . .         | 279,763                         |                                  |  | 125,000   |
| Missouri, . . . .         |                                 |                                  |  | 100,000   |
| Iowa, . . . .             |                                 |                                  |  | 14,700  |
| Wisconsin, . . . .        |                                 |                                  |  |   |
| Total, . . . .            | 20,338,246                      | 111,638,746                      | 31,498,469                               | 5,062,310   |
| Total, near Jan. 1, 1847, | 17,631,553                      | 108,643,384                      | 30,660,945                               | 5,435,285   |
| Total, " " 1846,          | 16,608,719                      | 110,396,552                      | 23,232,715                               | 5,455,186   |

several States to communicate such errors as they may detect in these tables, and they will be republished in the volume for 1850 in a revised and perfect condition. The object here is to give only a summary of the facts, so as to afford the means of comparing the States with each other. Their financial condition is shown at much greater length under the head of "Individual States." Official returns published in this work for 1843 (page 135) showed that the total of the debts of the States in 1842 was \$198,818,736. It is apparent, then, that there has been no great reduction of these debts.

\* \$ 45,000 should be deducted on alternate years when the Legislature is not in session.

## COLLEGES IN THE

|     | Name.                       | Place.             | Presidents.                | Found-<br>ed. |
|-----|-----------------------------|--------------------|----------------------------|---------------|
| 73  | Greenville,                 | Greenville, Tenn.  | James McLin,               | 1794          |
| 74  | Washington,                 | Washington Co., "  | "                          | 1794          |
| 75  | University of Nashville,    | Nashville, "       | Philip Lindsley, D. D.     | 1806          |
| 76  | Franklin,                   | Near Nashville, "  | Tolbert Fanning, A. M.     | 1844          |
| 77  | East Tennessee,             | Knoxville, "       | Joseph Estabrook, A. M.    | 1807          |
| 78  | Cumberland University,      | Lebanon, "         | T. C. Anderson, A. M.      | 1844          |
| 79  | Jackson,                    | Columbia, "        | William Mack, A. M.        | 1830          |
| 80  | Union,*                     | Murfreesboro', "   | "                          | 1842          |
| 81  | Transylvania,               | Lexington, Ky.     | H. B. Bascom, D. D.        | 1798          |
| 82  | St. Joseph's,\$             | Bardstown, "       | J. M. Lancaster,           | 1819          |
| 83  | Centre,                     | Danville, "        | John C. Young, D. D.       | 1819          |
| 84  | Augusta,†                   | Augusta, "         | J. Tomlinson, D. D.        | 1825          |
| 85  | Georgetown,*                | Georgetown, "      | Howard Malcom, D. D.       | 1830          |
| 86  | Bacon,                      | Harrodsburg, "     | E. S. Burnet,              | 1836          |
| 87  | Western Military Institute, | Georgetown, "      | Col. T. F. Johnson, A. M.  | 1846          |
| 88  | University of Ohio,         | Athens, Ohio,      | Alfred Ryors, A. M.        | 1821          |
| 89  | Miami University,           | Oxford, "          | E. D. Macmaster, D. D.     | 1809          |
| 90  | Franklin,                   | New Athens, "      | William Burnett,           | 1826          |
| 91  | Western Reserve,            | Hudson, "          | George E. Pierce, D. D.    | 1826          |
| 92  | Kenyon,†                    | Gambier, "         | Sherlock A. Bronson, A. M. | 1826          |
| 93  | Granville,*                 | Granville, "       | Silas Bailey, A. M.        | 1832          |
| 94  | Marietta,                   | Marietta, "        | Henry Smith, D. D.         | 1832          |
| 95  | Oberlin Institute,          | Oberlin, "         | Asa Mahan, A. M.           | 1834          |
| 96  | Cincinnati,                 | Cincinnati, "      | "                          | 1819          |
| 97  | St. Xavier,\$               | Cincinnati, "      | J. E. Blox,                | 1840          |
| 98  | Woodward,                   | Cincinnati, "      | Thomas J. Biggs, D. D.     | 1831          |
| 99  | Ohio Wesleyan University,†  | Delaware, "        | Edward Thompson, M. D.     | 1844          |
| 100 | Indiana State University,   | Bloomington, Ind.  | Andrew Wylie, D. D.        | 1827          |
| 101 | Hanover College,            | South Hanover, "   | Sylvester Scovel, D. D.    | 1829          |
| 102 | Wabash,                     | Crawfordsville, "  | Charles White, D. D.       | 1833          |
| 103 | Indiana Asbury University,† | Greencastle, "     | Matt Simpson, D. D.        | 1839          |
| 104 | St. Gabriel's,\$            | Vincennes, "       | J. P. Bellier,             | 1843          |
| 105 | Franklin,                   | Franklin, "        | "                          | 1837          |
| 106 | Illinois,                   | Jacksonville, Ill. | J. M. Sturtevant, D. D.    | 1829          |
| 107 | Shurtleff,*                 | Upper Alton, "     | Adiel Sherwood, D. D.      | 1835          |
| 108 | McKendree,†                 | Lebanon, "         | Erastus Wentworth, A. M.   | 1835          |
| 109 | Knox,                       | Galesburg, "       | Jonathan Blanchard,        | 1837          |
| 110 | University of St. Louis,\$  | St. Louis, Mo.     | J. Van de Velde,           | 1832          |
| 111 | St. Vincent's,              | Cape Girardeau, "  | Hector Figari, C. M.       | 1843          |
| 112 | Masonic,                    | Marion Co., "      | J. Worthington Smith,      | 1831          |
| 113 | Missouri University,        | Columbia, "        | John H. Lathrop, A. M.     | 1840          |
| 114 | St. Charles,†               | St. Charles, "     | "                          | 1839          |
| 115 | Fayette,                    | Fayette, "         | Archibald Peterson,        | "             |
| 116 | Michigan University,        | Ann Arbor, Mich.   | J. Holmes Agnew, A. M.     | 1837          |
| 117 | St. Philip's,\$             | Near Detroit, "    | Mr. Bowens,                | 1839          |
| 118 | Iowa University,            | Iowa City, Iowa,   | "                          | 1846          |

## Remarks.

The Colleges marked thus (\*) are under the direction of the *Baptists*; thus (†), *Episcopals*; thus (‡), *Methodists*; thus (\$), *Catholics*. With respect to the Colleges which are *unmarked*, the prevailing religious influence of those that are in the New England States is *Congregationalism*; of most of the others, *Presbyterianism*.

By instructors in the above table is meant those connected with the undergraduates; and by *students*, except the Roman Catholic Institutions and a few of the Colleges in the Southern and Western States, is meant *undergraduates*, or members of the four collegiate classes; not including such as are pursuing a professional education, or such as are members of a preparatory department. Some of the Colleges above enumerated are not in full operation, and scarcely deserve a place in the table. The column of *Libraries* includes the number of volumes in the *College Libraries* and in the *Students' Libraries*.

The editor of the American Almanac is especially indebted to J. Williamson, Jr., of Maine, and to the Rev. Tryon Edwards, D. D., of Connecticut, for valuable corrections in this table.



## UNITED STATES. (Continued.)

|     | Inst-<br>ruct-<br>ora. | No. of<br>Alumni. | No. of<br>Minis-<br>ters. | Stu-<br>dents. | Volumes in<br>Libraries. | Commencement.                        |
|-----|------------------------|-------------------|---------------------------|----------------|--------------------------|--------------------------------------|
| 73  | 2                      | 110               |                           | 41             | 3,000                    | Third Wednesday in September.        |
| 74  | 2                      | 110               |                           | 42             | 1,000                    |                                      |
| 75  | 6                      | 398               |                           | 77             | 10,000                   | First Wednesday in October.          |
| 76  | 6                      | 6                 |                           | 44             | 1,000                    | First week in October.               |
| 77  | 6                      | 112               | 9                         | 81             | 3,980                    | First Wednesday in August.           |
| 78  | 7                      | 4                 |                           | 154            | 2,500                    | Last day of July.                    |
| 79  | 4                      | 43                | 50                        | 44             | 2,000                    | Second Wednesday in August.          |
| 80  | 4                      |                   |                           | 70             | 300                      | First Wednesday in November.         |
| 81  | 5                      | 610               | 3                         | 91             | 14,000                   | Third Wednesday in August.           |
| 82  | 17                     | 150               |                           | 126            | 7,000                    | Last Thursday in July.               |
| 83  | 5                      | 237               |                           | 130            | 4,500                    | Last Thursday in June.               |
| 84  | 4                      | 60                |                           | 51             | 2,500                    | Thursday after 1st Wednesday in Aug. |
| 85  | 7                      | 65                | 14                        | 120            | 5,200                    | Last Wednesday in June.              |
| 86  | 4                      |                   |                           | 60             | 1,800                    | Last Friday in June.                 |
| 87  | 6                      |                   |                           | 164            |                          | First day of September.              |
| 88  | 5                      | 151               | 80                        | 66             | 3,500                    | First Wednesday in August.           |
| 89  | 6                      | 343               | 102                       | 66             | 8,000                    | Second Thursday in August.           |
| 90  | 4                      | 90                |                           | 80             | 2,200                    | Last Wednesday in September.         |
| 91  | 10                     | 138               | 41                        | 71             | 6,247                    | Second Thursday in August.           |
| 92  | 6                      | 146               | 48                        | 48             | 8,800                    | First Wednesday in August.           |
| 93  | 5                      | 30                |                           | 26             | 4,000                    | Third Wednesday in July.             |
| 94  | 6                      | 91                | 36                        | 48             | 6,250                    | Last Thursday in July.               |
| 95  | 7                      | 147               | 101                       | 85             | 4,000                    | Fourth Wednesday in August.          |
| 96  | 8                      |                   |                           | 84             |                          | Last Monday in June.                 |
| 97  | 14                     |                   |                           | 270            | 6,000                    | Second Wednesday in July.            |
| 98  | 5                      | 17                | 1                         | 19             | 1,400                    | Friday before July 4th.              |
| 99  | 5                      | 4                 |                           | 31             | 2,000                    | First Wednesday in August.           |
| 100 | 4                      | 231               |                           | 46             | 2,500                    | Last Wednesday in September.         |
| 101 | 7                      | 100               | 49                        | 33             | 2,200                    | Third Thursday in August.            |
| 102 | 5                      | 49                |                           | 40             | 4,800                    | Fourth Wednesday in July.            |
| 103 | 6                      | 60                | 14                        | 263            | 2,700                    |                                      |
| 104 | 7                      |                   |                           | 50             |                          |                                      |
| 105 | 5                      | 1                 |                           | 14             | 200                      | Fourth Wednesday in July.            |
| 106 | 6                      | 81                | 21                        | 38             | 3,000                    | First or second Thursday in July.    |
| 107 | 6                      | 3                 | 2                         | 13             | 1,600                    | Fourth Thursday in July.             |
| 108 | 5                      | 27                |                           | 14             | 700                      | Third Wednesday in July.             |
| 109 | 6                      | 16                |                           | 60             | 3,000                    | Fourth Wednesday in June.            |
| 110 | 17                     | 25                |                           | 160            | 12,000                   | July 15th.                           |
| 111 | 12                     |                   |                           | 90             | 5,000                    | Last Thursday in July.               |
| 112 | 5                      | 13                |                           | 45             |                          | Last Thursday in September.          |
| 113 | 12                     | 26                |                           | 52             |                          | Fourth Thursday in August.           |
| 114 | 5                      | 19                |                           | 60             |                          | Second Wednesday in August.          |
| 115 | 2                      |                   |                           | 75             |                          |                                      |
| 116 | 7                      |                   |                           | 89             | 4,500                    | First Wednesday in August.           |
| 117 | 4                      |                   |                           | 30             | 3,000                    | First Monday in October.             |
| 118 |                        |                   |                           |                |                          |                                      |

## ANNUAL COLLEGE EXPENSES.

| Name.                   | Instruc-<br>tion. | Room-rent<br>and other<br>Coll. Exp. | Total<br>College<br>Charges. | Board.             | Wood,<br>Lights, and<br>Washing. |
|-------------------------|-------------------|--------------------------------------|------------------------------|--------------------|----------------------------------|
| Howdoin,                | \$ 24.00          | \$ 22.00                             | \$ 46.00                     | 39 weeks, \$ 58.50 | \$ 35.00                         |
| Dartmouth,              | 27.00             | 13.24                                | 40.24                        | 38 "               | 57.00                            |
| Harvard,                | 75.00             | 15.00                                | 90.00                        | 40 " 70 to 90.00   | 9.00                             |
| Williams,               | 30.00             | 9.00                                 | 39.00                        | 39 "               | 65.00                            |
| Amherst,                | 33.00             | 15.00                                | 48.00                        | 40 "               | 60.00                            |
| Brown,                  | 40.00             | 23.00                                | 63.00                        | 39 "               | 60.00                            |
| Yale,                   | 33.00             | 21.00                                | 54.00                        | 40 " 60 to 90.00   | 20.00                            |
| Wesleyan,               | 36.00             | 11.25                                | 47.25                        | 39 "               | 58.50                            |
| Hamilton,               | 26.00             | 14.00                                | 40.00                        | 38 or 39 w. 58.00  | 28.00                            |
| New Jersey,             | 50.00             | 28.14                                | 78.14                        | 40 weeks, 80.00    | 28.00                            |
| Dickinson,              | 33.00             | 14.00                                | 47.00                        | 43 "               | 75.25                            |
| University of Virginia, | 75.00             | 23.00                                | 98.00                        | 44 "               | 110.00                           |
| N. Carolina Univ.,      | 50.00             | 11.00                                | 61.00                        | 40 "               | 90.00                            |
| Transylvania,           | 40.00             | 12.00                                | 52.00                        | 40 "               | 100.00                           |
| Western Reserve,        | 30.00             | 11.00                                | 41.00                        | 42 "               | 60.00                            |

## XVIII. THEOLOGICAL SCHOOLS.

| Name.                           | Place.              | Denomination.    | Commenced<br>Operation. | No. Professors. | Students in<br>1848. | No. educated. | Volumes in<br>Library. |
|---------------------------------|---------------------|------------------|-------------------------|-----------------|----------------------|---------------|------------------------|
| Bangor Theological Seminary,    | Bangor, Me.         | Congregation.,   | 1816                    | 3               | 37                   | 202           | 7,000                  |
| Theological Seminary,           | Concord, N. H.      | Methodist,       |                         |                 |                      |               |                        |
| Gilmanston Theol. Seminary,     | Gilmanston, "       | Congregation.,   | 1835                    | 3               | 23                   | 69            | 4,300                  |
| N. Hampton Theol. Seminary,     | New Hampton, "      | Baptist,         | 1825                    | 2               | 36                   |               | 2,000                  |
| Theological Seminary,           | Andover, Mass.      | Congregation.,   | 1807                    | 5               | 93                   | 1,006         | 21,250                 |
| Divinity School, Harv. Univ.,   | Cambridge, "        | Cong. Unit.,     | 1816                    | 2               | 23                   | 238           | 3,000                  |
| Theological Institution,        | Newton, "           | Baptist,         | 1825                    | 3               | 33                   | 201           | 5,500                  |
| Theol. Dep. Yale College,       | New Haven, Conn.    | Congregation.,   | 1822                    | 4               | 36                   | 515           | 900                    |
| Theol. Inst. of Connecticut,    | East Windsor, "     | "                | 1834                    | 3               | 17                   | 151           | 5,000                  |
| Theol. Inst. Episc. Church,     | New York, N. Y.     | Prot. Episcop.,  | 1817                    | 5               | 64                   | 336           | 10,000                 |
| Union Theological Seminary,     | "                   | Presbyterian,    | 1836                    | 5               | 106                  | 211           | 18,000                 |
| Theol. Sem. of Auburn,          | Auburn, "           | "                | 1821                    | 4               | 30                   | 580           | 6,000                  |
| Hamilton Lit. and Theol. Inst., | Hamilton, "         | Baptist,         | 1820                    | 4               | 41                   | 133           | 4,000                  |
| Hartwick Seminary,              | Hartwick, "         | Lutheran,        | 1816                    | 2               | 5                    | 52            | 1,250                  |
| Theol. Sem. Ass. Ref. Church,   | Newburg, "          | Ass. Ref. Ch.,   | 1836                    | 1               | 11                   | 143           | 3,200                  |
| Th. Sem. Dutch Ref. Church,     | N. Brunswick, N. J. | Dutch Ref.,      | 1784                    | 3               | 36                   | 179           |                        |
| Theol. Sem. Presbyt. Church,    | Princeton, "        | Presbyterian,    | 1812                    | 5               | 153                  | 1,626         | 11,000                 |
| Seminary, Lutheran Church,      | Gettysburg, Pa.     | Evang. Luth.,    | 1826                    | 3               | 30                   | 195           | 7,500                  |
| German Reformed,                | Mercersburg, "      | Germ. Ref. Ch.   | 1825                    | 2               | 18                   | 121           | 6,000                  |
| Western Theol. Seminary,        | Alleghany T., "     | Presbyterian,    | 1828                    | 2               | 48                   | 252           | 6,000                  |
| Theological School,             | Canonsburg, "       | Asso. Church,    | 1792                    | 2               | 33                   | 147           | 2,000                  |
| Theological Seminary,           | Pittsburg, "        | Asso. Ref.,      | 1828                    | 3               | 35                   | 85            | 1,500                  |
| Western Theological School,     | Meadville, "        | Cong. Unit.,     | 1844                    | 4               | 40                   | 9             | 8,000                  |
| Theological Seminary,           | Philadelphia, "     | Ref. Presbyter., |                         | 3               | 13                   |               |                        |
| Episc. Theol. School of Va.,    | Fairfax Co., Va.    | Prot. Episcop.,  | 1822                    | 4               | 38                   | 229           | 5,000                  |
| Union Theological Seminary,     | Prince Ed. Co., "   | Presbyterian,    | 1824                    | 3               | 20                   | 175           | 4,000                  |
| Virginia Baptist Seminary,      | Richmond, "         | Baptist,         | 1832                    | 3               | 67                   |               | 1,000                  |
| Southern Theol. Seminary,       | Columbia, S. C.     | Presbyterian,    | 1831                    | 2               | 16                   | 82            | 4,000                  |
| Theological Seminary,           | Lexington, "        | Lutheran,        | 1835                    | 2               | 10                   | 20            | 1,800                  |
| Furman Theological Seminary,    | Fairfield Dist., "  | Baptist,         | 1826                    | 2               | 30                   | 30            | 1,000                  |
| Mercer Theological Seminary,    | Penfield, Ga.       | "                | 1833                    | 3               | 4                    |               | 1,000                  |
| Howard Theol. Institution,      | Marion, Ala.        | "                | 1843                    | 2               | 10                   |               | 1,000                  |
| Western Bap. Theol. Institut.,  | Covington, Ky.      | "                | 1840                    | 4               | 18                   | 9             | 2,000                  |
| Southwest Theol. Seminary,      | Maryville, Tenn.    | Presbyterian,    | 1821                    | 2               | 24                   | 90            | 6,000                  |
| Lane Seminary,                  | Cincinnati, Ohio,   | "                | 1829                    | 3               | 36                   | 257           | 10,500                 |
| Theol. Dep. Kenyon College,     | Gambier, "          | Prot. Episcop.,  | 1828                    | 5               | 4                    |               | 4,500                  |
| Theol. Dep. Wes. Res. College,  | Hudson, "           | Presbyterian,    | 1830                    | 3               | 23                   | 41            | 80                     |
| Granville Theol. Department,    | Granville, "        | Baptist,         | 1832                    | 2               | 8                    |               | 500                    |
| Oberlin Theol. Department,      | Oberlin, "          | Presbyterian,    | 1834                    | 4               | 27                   | 97            | 400                    |
| Theol. Sem. Ass. Ref. Church,   | Oxford, "           | Asso. Ref.,      | 1839                    | 1               | 12                   |               |                        |
| Indiana Theological Seminary,   | S. Hanover, Ind.    | Presbyterian,    |                         |                 | 10                   |               |                        |
| Alton Theological Seminary,     | Upper Alton, Ill.   | Baptist,         | 1835                    |                 |                      |               |                        |

## XIX. LAW SCHOOLS.

| Place.                | Name.                      | Professors. | Students. |
|-----------------------|----------------------------|-------------|-----------|
| Cambridge, Mass.,     | Harvard University,        | 3           | 95        |
| New Haven, Conn.,     | Yale College,              | 3           | 41        |
| Princeton, N. J.,     | College of New Jersey,     | 3           |           |
| Carlisle, Pa.,        | Dickinson College,         | 1           | 5         |
| Williamsburg, Va.,    | William and Mary College,  | 1           | 32        |
| Charlottesville, Va., | University of Virginia,    | 1           | 72        |
| Chapel Hill, N. C.,   | North Carolina University, |             |           |
| Tuscaloosa, Ala.,     | Alabama University,        | 1           |           |
| Lexington, Ky.,       | Transylvania University,   | 3           | 75        |
| Lebanon, Tenn.,       | Cumberland University,     | 1           | 25        |
| Cincinnati, Ohio,     | Cincinnati College,        | 3           | 25        |
| Bloomington, Ind.,    | Indiana State University,  | 1           | 15        |

## XX. MEDICAL SCHOOLS.

| Name.                        | Place.            | Found-<br>ed. | Prof. | Stu. | Grad-<br>uates. | Lectures commence.     |
|------------------------------|-------------------|---------------|-------|------|-----------------|------------------------|
| Maine Medical School,        | Brunswick, Me.    | 1820          | 4     | 81   | 581             | February 15th.         |
| N. H. Medical School,        | Hanover, N. H.,   | 1797          | 6     | 50   | 735             | 1st or 2d Th. Aug.     |
| Castleton Medical College,   | Castleton, Vt.    | 1818          | 7     | 104  | 555             | 4th Thurs. in Aug.     |
| Vermont Medical College,     | Woodstock, Vt.    | 1835          | 7     | 96   | 332             | 1st Th. in March.      |
| Medical School. Harv. Univ., | Cambridge, Ms.    | 1782          | 6     | 165  | 547             | 1st Wed. in Nov.       |
| Berkshire Medical School,    | Pittsfield, "     | 1823          | 5     | 103  | 473             | 1st Th. in Sept.       |
| Medical Inst. Yale College,  | N. Haven, Ct.     | 1810          | 6     | 85   | 830             | 6 w. after 3d Th. Aug. |
| Coll. Phys. & Surg. N. Y.,   | N. York, N. Y.    | 1807          | 6     | 219  | 852             | 1st Mon. in Nov.       |
| Med. Inst. Geneva Coll.,     | Geneva, "         | 1835          | 6     | 158  | 98              | 1st Tues. in Oct.      |
| Med. Faculty Univ. N. Y.,    | New York, "       | 1837          | 6     | 421  | 597             | Last Mon. in Oct.      |
| Albany Medical College,      | Albany, "         | 1839          | 8     | 114  | 58              | 1st Tues. in Oct.      |
| Med. Dep. Univ. Penn.,       | Philadelp'a, Pa.  | 1765          | 8     | 508  | 4,952           | 1st Mon. in Nov.       |
| Jefferson Medical College,   | " "               | 1824          | 8     | 480  | 1,410           | 1st Mon. in Nov.       |
| Med. Dep. Penn. College,     | " "               | 1839          | 8     | 99   |                 | 1st Mon. in Nov.       |
| Franklin Medical College,    | " "               | 1846          | 8     | 44   | 15              | 2d Mon. in Oct.        |
| Philadelphia Coll. of Med.,  | " "               |               | 7     | 69   |                 |                        |
| Med. School, Univ. Md.,      | Baltimore, Md.    | 1807          | 6     | 100  | 909             | October 31st.          |
| Washington Med. College,     | " "               | 1827          | 6     | 25   |                 | 1st Mon. in Nov.       |
| Med. School, Columb. Coll.,  | Washington,       | 1825          | 6     | 40   | 81              | 1st Mon. in Nov.       |
| Med. School, Univ. Va.,      | Charlottesville,  | 1825          | 3     | 45   |                 | 1st Mon. in Oct.       |
| Richmond Med. College,       | Richmond, Va.     | 1838          | 6     | 75   | 14              | 1st Mon. in Nov.       |
| Winchester Med. College,     | Winchester, "     |               | 5     |      |                 | 1st Mon. in Oct.       |
| Med. Coll. State of S. C.,   | Charleston, S. C. | 1833          | 8     | 158  |                 | 2d Mon. in Nov.        |
| Med. College of Georgia,     | Augusta, Ga.      | 1830          | 7     | 115  | 124             | 2d Mon. in Nov.        |
| Med. College of Louisiana,   | N. Orleans, La.   | 1835          | 7     | 30   |                 | 3d Mon. in Nov.        |
| Memphis Medical College,     | Memphis, Ten.     |               | 7     |      |                 |                        |
| Med. Dep. Transylv. Univ.,   | Lexington, Ky.    | 1818          | 7     | 214  | 1,351           | 1st Mon. in Nov.       |
| Louisville Medical Instit.,  | Louisville, "     | 1837          | 6     | 242  | 53              | 1st Mon. in Nov.       |
| West'n Reserve Med. Coll.,   | Cleveland, Oh.,   | 1844          | 7     | 240  | 96              | 1st Wed. in Nov.       |
| Medical College of Ohio,     | Cincinnati, "     | 1819          | 8     | 130  | 331             | 1st Mon. in Nov.       |
| Indiana Medical College,     | Laporte, Ind.,    |               | 7     | 104  | 19              | 1st Mon. in Nov.       |
| Rush Medical College,        | Chicago, Ill.,    | 1842          | 6     | 70   | 16              | 1st Mon. in Nov.       |
| Med. Dep. of Kemp. Coll.,    | St. Louis, Mo.,   | 1841          | 9     | 75   | 19              | Last week in Oct.      |
| Med. Coll. St. Louis Univ.,  | " "               | 1836          | 8     | 50   | 14              | 1st Mon. in Nov.       |
| Willoughby Med. College,     | Willoughby, "     | 1834          | 6     | 126  | 57              | Last Mon. in Oct.      |
| Med. Coll. Missouri Univ.,   | Columbia, "       | 1840          | 7     | 92   |                 | 1st Mon. in Nov.       |

## XXI. SMITHSONIAN INSTITUTION.

CORPORATION, *ex officio*:

James K. Polk,  
George M. Dallas,  
James Buchanan,  
Robert J. Walker,  
William L. Marcy,  
John Y. Mason,

Cave Johnson,  
Isaac Toucey,  
Roger B. Taney,  
Edmund Burke,  
William W. Seaton.

## BOARD OF REGENTS.

George M. Dallas, Vice-President,  
Roger B. Taney, Chief Justice U. States,  
W. W. Seaton, Mayor of Washington,  
James A. Pearce, U. S. Senator,  
Jefferson Davis, "  
George F. Marsh, U. S. Representative,  
Henry W. Hilliard, "

Robert McClelland, U. S. Representative,  
Rufus Choate, Mass.,  
Gideon Hawley, N. Y.,  
Richard Rush, Penn.,  
William C. Preston, S. C.,  
A. Dallas Bache, } Members of  
Joseph G. Totten, } Nat. Inst.

## OFFICERS.

GEORGE M. DALLAS, Chancellor.

*Executive Committee.*

W. W. Seaton,  
A. Dallas Bache,  
James A. Pearce.

*Building Committee.*

Joseph G. Totten,  
W. W. Seaton.

Joseph Henry, LL. D., *Secretary.*  
Charles C. Jewett, *Assistant Secretary.*  
James Renwick, Jr., *Architect.*  
Robert Mills, *Assistant Architect and Superintendent.*

## XXII. RELIGIOUS DENOMINATIONS.

*According to Returns made in 1844 - 47, and by Estimate.*

| Names.   | Churches. | Ministers. | Communicants |
|--|-----------|------------|--------------|
| Roman Catholics, . . . . .                           | 907       | 917        | 1,190,700    |
| Protestant Episcopalians, . . . . .                  | 1,232     | 1,404      | 67,550       |
| Presbyterians, Old School, . . . . .                 | 2,376     | 1,713      | 179,453      |
| Presbyterians, New School, . . . . .                 | 1,651     | 1,551      | 155,000      |
| Cumberland Presbyterians, . . . . .                  | 570       | 300        | 60,000       |
| Other classes of Presbyterians, . . . . .            | 530       | 293        | 45,500       |
| Dutch Reformed, . . . . .                            | 276       | 289        | 32,840       |
| German Reformed, . . . . .                           | 261       | 803        | 75,000       |
| Evangelical Lutherans, . . . . .                     | 1,452     | 598        | 150,000      |
| Moravians, . . . . .                                 | 22        | 24         | 6,000        |
| Methodist Episcopal, . . . . .                       |           | 5,042      | 1,112,756    |
| Methodist Protestant Church, . . . . .               |           | 740        | 64,313       |
| Reformed Methodists, . . . . .                       |           | 76         | 3,000        |
| Wesleyan Methodists, . . . . .                       |           | 600        | 20,000       |
| German Methodists (United Brethren), . . . . .       | 1,800     | 500        | 15,000       |
| Allbright Methodists (Evangel. Associa'n), . . . . . | 600       | 250        | 15,000       |
| Mennonites, . . . . .                                | 400       | 250        | 58,000       |
| Orthodox Congregationalists, . . . . .               | 1,727     | 1,584      | 179,176      |
| Unitarian Congregationalists, . . . . .              | 300       | 250        | 30,000       |
| Universalists, . . . . .                             | 1,194     | 700        | 60,000       |
| Swedenborgians, . . . . .                            | 42        | 30         | 5,000        |
| Regular Baptists, . . . . .                          | 7,883     | 4,651      | 655,536      |
| Six-Principle Baptists, . . . . .                    | 20        | 22         | 3,400        |
| Seventh-Day Baptists, . . . . .                      | 63        | 58         | 6,943        |
| Free-Will Baptists, . . . . .                        | 1,165     | 771        | 63,000       |
| Church-of-God Baptists, . . . . .                    | 130       | 90         | 8,000        |
| Reformed Baptists (Campbellites), . . . . .          | 1,800     | 1,000      | 160,000      |
| Christian Baptists (Unitarians), . . . . .           | 650       | 782        | 35,600       |

XXIII. *Table exhibiting the Seats of Government, the Times of the Election of State Officers, and the Meeting of the Legislatures, of the several States.*

| States.        | Seats of Government. | Times of Holding Elections. | Times of the Meeting of the Legislatures. |
|----------------|----------------------|-----------------------------|---|
| Maine,         | Augusta,             | 2d Monday in September,     | 2d Wednesday in May.                      |
| N. Hampshire,  | Concord,             | 2d Tuesday in March,        | 1st Wednesday in June.                    |
| Vermont,       | Montpelier,          | 1st Tuesday in September,   | 2d Thursday in October.                   |
| Massachusetts, | Boston,              | 2d Monday in November,      | 1st Wednesday in January.                 |
| Rhode Island,  | { Providence, }      | 1st Wednesday in April, {   | 1st Tuesday in May.                       |
|                | { Newport, }         |                             | Last Monday in October.                   |
| Connecticut,   | Hart'd & N. Hav.,    | 1st Monday in April,        | 1st Wednesday in May.                     |
| New York,      | Albany,              | 1st Monday in November,     | 1st Tuesday in January.                   |
| New Jersey,    | Trenton,             | Tu. after 1st Mon. in Nov., | 4th Tuesday in January.                   |
| Pennsylvania,  | Harrisburg,          | 2d Tuesday in October,      | 1st Tuesday in January.                   |
| Delaware,      | Dover,               | 2d Tuesday in November,     | 1st Tues. in Jan., <i>biennially</i> .    |
| Maryland,      | Annapolis,           | 1st Wednesday in October,   | Last Monday in Dec., <i>bienn.</i>        |
| Virginia,      | Richmond,            | 4th Thursday in April,      | 1st Monday in December.                   |
| N. Carolina,   | Raleigh,             | 1st Thursday in August,     | 3d Monday in Nov., <i>bienn.</i>          |
| S. Carolina,   | Columbia,            | 2d Monday in October,       | 4th Monday in November.                   |
| Georgia,       | Milledgeville,       | 1st Monday in October,      | 1st Monday in Nov., <i>bienn.</i>         |
| Florida,       | Tallahassee,         | 1st Monday in October,      | 1st Monday in November.                   |
| Alabama,       | Montgomery,          | 1st Monday in August,       | 1st Monday in Dec., <i>bienn.</i>         |
| Mississippi,   | Jackson,             | 1st Mon. and Tu. in Nov.,   | 1st Monday in Jan., <i>bienn.</i>         |
| Louisiana,     | Baton Rouge,         | 1st Monday in November,     | 3d Monday in Jan., <i>bienn.</i>          |
| Texas,         | Austin,              | 1st Monday in November,     | January, <i>bienn.</i>                    |
| Arkansas,      | Little Rock,         | 1st Monday in August,       | 1st Monday in Nov., <i>bienn.</i>         |
| Tennessee,     | Nashville,           | 1st Thursday in August,     | 1st Monday in Oct., <i>bienn.</i>         |
| Kentucky,      | Frankfort,           | 1st Monday in August,       | 1st Monday in December.                   |
| Ohio,          | Columbus,            | 2d Tuesday in October,      | 1st Monday in December.                   |
| Indiana,       | Indianapolis,        | 1st Monday in August,       | 1st Monday in December.                   |
| Illinois,      | Springfield,         | Tu. after 1st Mon. in Nov., | 1st Monday in Jan., <i>bienn.</i>         |
| Missouri,      | Jefferson City,      | 1st Monday in August,       | 1st Monday in Nov., <i>bienn.</i>         |
| Michigan,      | Lansing,             | 1st Tuesday in November,    | 1st Monday in January.                    |
| Iowa,          | Iowa City,           | 1st Monday in August,       | 1st Monday in Dec., <i>bienn.</i>         |
| Wisconsin,     | Madison,             | Tu. after 1st Mon. in Nov., | 1st Monday in June.*                      |

\* This was the first meeting of the Legislature. The political year commences on the 1st Monday in January.

## XXIV. GOVERNORS OF THE SEVERAL STATES AND TERRITORIES,

*With their Salaries, Terms of Office, and the Expiration of their respective Terms; the Number of Senators and Representatives in the State Legislatures, with their respective Terms.*

| States.        | Governors.                   | Salaries.           | Governor,<br>Term years. | Term<br>expires. | Senators. | Term years. | Representa-<br>tives. | Term years. |
|----------------|------------------------------|---------------------|--------------------------|------------------|-----------|-------------|-----------------------|-------------|
| Maine,         | John W. Dana,                | \$1,500             | 1                        | May 1849         | 31        | 1           | 151                   | 1           |
| N. Hampshire,  | Jared W. Williams,           | 1,000               | 1                        | June 1849        | 12        | 1           | 286                   | 1           |
| Vermont,       | Horace Eaton,                | 750                 | 1                        | Oct. 1848        | 30        | 1           | 230                   | 1           |
| Massachusetts, | George N. Briggs,            | 2,500               | 1                        | Jan. 1849        | 40        | 1           | 356                   | 1           |
| Rhode Island,  | Elisha Harris,               | 400                 | 1                        | May 1849         | 31        | 1           | 69                    | 1           |
| Connecticut,   | Clark Bissell,               | 1,100               | 1                        | May 1849         | 21        | 1           | 215                   | 1           |
| New York,      | John Young,                  | 4,000               | 2                        | Jan. 1849        | 32        | 2           | 128                   | 1           |
| New Jersey,    | Daniel Haines,               | 2,000               | 3                        | Jan. 1851        | 18        | 3           | 58                    | 1           |
| Pennsylvania,  | Wm. F. Johnston, <i>Act.</i> | 3,000               | 3                        | Jan. 1849        | 33        | 3           | 100                   | 1           |
| Delaware,      | William Tharp,               | 1,333 $\frac{1}{3}$ | 3                        | Jan. 1850        | 9         | 4           | 21                    | 2           |
| Maryland,      | Philip F. Thomas,            | 2,000*              | 3                        | Jan. 1851        | 21        | 6           | 82                    | 2           |
| Virginia,      | William Smith,               | 3,333 $\frac{1}{3}$ | 3                        | Jan. 1849        | 32        | 4           | 134                   | 1           |
| N. Carolina,   | Charles Manly,               | 2,000               | 2                        | Jan. 1851        | 50        | 2           | 120                   | 2           |
| S. Carolina,   | David Johnson,               | 3,500               | 2                        | Dec. 1848        | 45        | 4           | 124                   | 2           |
| Georgia,       | George W. Towns,             | 3,500               | 2                        | Nov. 1849        | 47        | 1           | 130                   | 1           |
| Florida,       | William D. Moseley,          | 2,500               | 4                        | July 1849        | 17        | 2           | 41                    | 1           |
| Alabama,       | Reuben Chapman,              | 3,500               | 2                        | Dec. 1849        | 33        | 3           | 100                   | 2           |
| Mississippi,   | Joseph W. Matthews,          | 3,000               | 2                        | Jan. 1850        | 32        | 4           | 92                    | 2           |
| Louisiana,     | Isaac Johnson,               | 6,000               | 4                        | Jan. 1850        | 32        | 4           | 98                    | 2           |
| Texas,         | George T. Wood,              | 2,000               | 2                        | Dec. 1849        | 21        | 4           | 66                    | 2           |
| Arkansas,      | Thomas S. Drew,              | 2,000               | 4                        | Nov. 1852        | 25        | 4           | 75                    | 2           |
| Tennessee,     | Neil S. Brown,               | 2,000               | 2                        | Oct. 1849        | 25        | 2           | 75                    | 2           |
| Kentucky,      | John J. Crittenden,          | 2,500               | 4                        | Sept. 1852       | 38        | 4           | 100                   | 1           |
| Ohio,          | William Bebb,                | 1,500               | 2                        | Dec. 1848        | 36        | 2           | 72                    | 1           |
| Michigan,      | Epaphroditus Ransom,         | 1,500               | 2                        | Jan. 1850        | 22        | 2           | 66                    | 1           |
| Indiana,       | James Whitcomb,              | 1,500               | 3                        | Dec. 1849        | 50        | 3           | 100                   | 1           |
| Illinois,      | Augustus C. French,          | 1,000               | 4                        | Jan. 1853        | 25        | 4           | 75                    | 2           |
| Missouri,      | Austin A. King,              | 1,500               | 4                        | Nov. 1852        | 18        | 4           | 49                    | 2           |
| Iowa,          | Ansel Briggs,                | 1,000               | 4                        | Dec. 1850        | 19        | 4           | 39                    | 2           |
| Wisconsin,     | Nelson Dewey,                | 1,250               | 2                        | Dec. 1849        | 18        | 2           | 54                    | 1           |
| Oregon Ter.,   | Joseph Lane,                 | 3,000†              | 4                        | Aug. 1852        | 9         | 2           | 18                    | 1           |

In all the States, except Virginia and South Carolina, the Governor is voted for by the people; and if no one has a majority of all the votes, in the States in which such a majority is required, the Legislature elects to the office of Governor one of the candidates voted for by the people.

\* With the use of a furnished house.

† Including \$1,500 as Superintendent of Indian Affairs.

## XXV. POPULATION OF THE UNITED STATES.

| States.         | 1790.     | 1800.     | 1810.     | 1820.     | 1830.      | 1840.      | 1845.     |
|-----------------|-----------|-----------|-----------|-----------|------------|------------|-----------|
| Maine,          | 96,540    | 151,719   | 228,705   | 298,335   | 399,955    | 501,793    | ..        |
| N. Hampshire,   | 141,899   | 183,762   | 214,360   | 244,161   | 269,328    | 284,574    | ..        |
| Vermont,        | 85,416    | 154,465   | 217,713   | 235,764   | 280,652    | 291,948    | ..        |
| Massachusetts,  | 378,717   | 423,245   | 472,040   | 523,287   | 610,408    | 737,659    | ..        |
| Rhode Island,   | 69,110    | 69,122    | 77,031    | 83,059    | 97,199     | 105,530    | ..        |
| Connecticut,    | 238,141   | 251,002   | 262,042   | 275,202   | 297,665    | 309,978    | ..        |
| New York,       | 340,120   | 586,756   | 959,949   | 1,372,812 | 1,918,608  | 2,428,921  | 2,604,495 |
| New Jersey,     | 184,139   | 211,949   | 249,555   | 277,575   | 320,823    | 373,306    | ..        |
| Pennsylvania,   | 434,373   | 602,365   | 810,091   | 1,049,458 | 1,348,233  | 1,724,033  | ..        |
| Delaware,       | 59,098    | 64,273    | 72,674    | 72,749    | 76,748     | 78,085     | ..        |
| Maryland,       | 319,728   | 341,548   | 380,546   | 407,350   | 447,040    | 470,019    | ..        |
| Virginia,       | 748,308   | 880,200   | 974,642   | 1,065,379 | 1,211,405  | 1,239,797  | ..        |
| N. Carolina,    | 393,751   | 478,103   | 555,500   | 638,529   | 737,987    | 753,419    | ..        |
| S. Carolina,    | 249,073   | 345,591   | 415,115   | 502,741   | 581,185    | 594,398    | ..        |
| Georgia,        | 82,548    | 162,101   | 252,433   | 340,987   | 516,823    | 691,392    | 774,325   |
| Florida,        | ..        | ..        | ..        | ..        | 34,730     | 54,477     | ..        |
| Alabama,        | ..        | ..        | 20,845    | 127,901   | 309,527    | 590,756    | 624,827   |
| Mississippi,    | ..        | 8,850     | 40,352    | 75,448    | 136,621    | 375,651    | ..        |
| Louisiana,      | ..        | ..        | 76,556    | 153,407   | 215,739    | 352,411    | ..        |
| Arkansas,       | ..        | ..        | ..        | 14,273    | 30,388     | 97,574     | 145,000   |
| Tennessee,      | 30,791    | 105,602   | 261,727   | 422,813   | 681,904    | 829,210    | ..        |
| Kentucky,       | 73,077    | 220,955   | 406,511   | 554,317   | 687,917    | 779,828    | ..        |
| Ohio,           | ..        | 45,365    | 230,760   | 581,434   | 937,903    | 1,519,467  | ..        |
| Michigan,       | ..        | ..        | 4,762     | 8,896     | 31,639     | 212,267    | 304,278   |
| Indiana,        | ..        | 4,875     | 24,520    | 147,178   | 343,031    | 685,866    | ..        |
| Illinois,       | ..        | ..        | 12,282    | 55,211    | 157,455    | 476,183    | 643,482   |
| Missouri,       | ..        | ..        | 20,845    | 66,586    | 140,445    | 383,702    | 511,937   |
| D. of Columbia, | ..        | 14,093    | 24,023    | 33,039    | 39,834     | 43,712     | ..        |
| Wisconsin,      | ..        | ..        | ..        | ..        | ..         | 30,945     | *211,252  |
| Iowa,           | ..        | ..        | ..        | ..        | ..         | 43,112     | †81,920   |
| Total,          | 3,929,827 | 5,305,925 | 7,239,814 | 9,638,131 | 12,866,920 | 17,063,353 | ..        |

## XXVI. SLAVES IN THE UNITED STATES.

| States.            | 1790.   | 1800.   | 1810.     | 1820.     | 1830.     | 1840.     |
|--------------------|---------|---------|-----------|-----------|-----------|-----------|
| Maine,             | 0       | 0       | 0         | 0         | 0         | 0         |
| New Hampshire,     | 158     | 8       | 0         | 0         | 0         | 1         |
| Vermont,           | 17      | 0       | 0         | 0         | 0         | 0         |
| Massachusetts,     | 0       | 0       | 0         | 0         | 0         | 0         |
| Rhode Island,      | 952     | 381     | 103       | 48        | 17        | 8         |
| Connecticut,       | 2,759   | 951     | 310       | 97        | 25        | 17        |
| New York,          | 21,324  | 20,343  | 15,017    | 10,088    | 75        | 4         |
| New Jersey,        | 11,423  | 12,422  | 10,851    | 7,657     | 2,254     | 674       |
| Pennsylvania,      | 3,737   | 1,706   | 795       | 211       | 403       | 64        |
| Delaware,          | 8,887   | 6,153   | 4,177     | 4,509     | 3,292     | 2,606     |
| Maryland,          | 103,036 | 105,635 | 111,502   | 107,398   | 102,294   | 89,737    |
| Virginia,          | 203,427 | 345,796 | 392,518   | 425,153   | 469,757   | 448,987   |
| North Carolina,    | 100,572 | 133,296 | 168,824   | 295,017   | 235,601   | 245,817   |
| South Carolina,    | 107,094 | 146,151 | 196,365   | 258,475   | 315,401   | 327,038   |
| Georgia,           | 29,264  | 59,404  | 105,218   | 149,656   | 217,521   | 280,944   |
| Alabama,           | ..      | ..      | ..        | 41,879    | 117,549   | 253,532   |
| Mississippi,       | ..      | 3,489   | 17,088    | 32,814    | 65,659    | 195,211   |
| Louisiana,         | ..      | ..      | 34,660    | 69,064    | 109,588   | 168,452   |
| Arkansas,          | ..      | ..      | ..        | 1,617     | 4,576     | 19,935    |
| Tennessee,         | 3,417   | 13,584  | 44,535    | 80,107    | 141,603   | 183,059   |
| Kentucky,          | 11,830  | 40,343  | 80,561    | 126,732   | 165,213   | 182,258   |
| Ohio,              | ..      | ..      | ..        | ..        | 0         | 3         |
| Michigan,          | ..      | ..      | 24        | ..        | 32        | 0         |
| Indiana,           | ..      | 135     | 237       | 190       | 0         | 3         |
| Illinois,          | ..      | ..      | 168       | 117       | 747       | 331       |
| Missouri,          | ..      | ..      | 3,011     | 10,222    | 25,081    | 58,240    |
| Dist. of Columbia, | ..      | 3,244   | 5,395     | 6,377     | 6,119     | 4,694     |
| Florida,           | ..      | ..      | ..        | ..        | 15,501    | 25,717    |
| Wisconsin,         | ..      | ..      | ..        | ..        | ..        | 11        |
| Iowa,              | ..      | ..      | ..        | ..        | ..        | 16        |
| Total,             | 697,897 | 893,041 | 1,191,364 | 1,538,064 | 2,009,031 | 2,487,355 |

\* Dec. 1847.

† May, 1844.

# XXVII. STATISTICS OF THE ARMY OF THE UNITED STATES EMPLOYED DURING THE WAR WITH MEXICO.

[From a Report of the Adjutant-General, dated April 5, 1848.]

## 1. *Strength of the Army at the Commencement of the War in May, 1846.*

|   |       |
|---|-------|
| Number of Officers (present), . . . . .                                   | 516   |
| “ Men (present), . . . . .  | 5,925 |
| Aggregate present, . . . . .  | 6,441 |
| Aggregate present and absent, . . . . .                                   | 7,244 |
| (Corps of engineers, topographical engineers, and ordnance not included.) |       |

## 2. *Strength of the Army on the Frontiers of Texas, May, 1846.*

|   |       |
|---|-------|
| Officers (present) . . . . .            | 209   |
| Men (present), . . . . .                | 2,839 |
| Aggregate present, . . . . .            | 3,048 |
| Aggregate present and absent, . . . . . | 3,554 |

## 3. *Number of Troops (regular Army) sent to Mexico, and Recruits joined since the Commencement of Hostilities.*

|                                  |        |
|----------------------------------|--------|
| Old establishment, . . . . .     | 12,551 |
| New establishment, . . . . .     | 10,145 |
| United States Marines, . . . . . | 347    |
| Total, . . . . .                 | 23,043 |

## 4. *Total number of Regulars enlisted from May 13, 1846, to Dec. 31, 1847.*

|                              |        |
|------------------------------|--------|
| Old establishment, . . . . . | 16,043 |
| New establishment, . . . . . | 12,957 |
| Total, . . . . .             | 29,000 |

## 5. *Number of Recruits (regular Army) sent to Mexico from May, 1846, to December, 1847.\**

|                              |        |
|------------------------------|--------|
| Old establishment, . . . . . | 12,631 |
| New establishment, . . . . . | 10,925 |
| Total, . . . . .             | 23,556 |

## 6. *Regular Army in Mexico, Dec. 31, 1847.*

|                                | Present. |           |        | Aggregate,<br>present and absent. |
|--------------------------------|----------|-----------|--------|-----------------------------------|
|                                | Sick.    | Officers. | Men.   |                                   |
| Old establishment, . . . . .   | 1,383    | 393       | 9,402  | 12,034                            |
| New establishment, . . . . .   | 1,081    | 218       | 6,166  | 8,166                             |
| Marines, . . . . .             | 54       | 15        | 233    | 309                               |
| Recruits unattached, . . . . . |          |           | 693    | 693                               |
| Grand aggregate, . . . . .     | 2,518    | 626       | 16,494 | 21,202                            |

\* Many recruits who arrived in Mexico never joined any regiment, and probably never will be accounted for. Among the numerous detachments put en route for the interior, many were killed or left sick, and died en route or in hospital. Several hundred recruits have been organized as separate companies, and not been incorporated with any regiment. From these various causes, probably not less than 1500 recruits sent to Mexico have never been reported.

|  |        |
|--|--------|
| Regular army in Mexico, Dec. 31, 1847,         | 21,202 |
| After Jan. 1, 1848, recruits joined, numbering | 2,493  |
| Add soldiers in the United States,             | 1,750  |
| Total of regular army, April 5, 1848,          | 25,445 |

79 recruits died, 792 were rejected and discharged, and 1,806 deserted before being assigned to regiments, and these are not included in the tables of casualties.

7. *Volunteers mustered into Service, and joined and recruited since Muster.*

|   | Officers. | Men.   | Aggregate. |
|---|-----------|--------|------------|
| <i>Horse.</i>   |           |        |            |
| 3 months' men,  | 56        | 989    | 1,045      |
| 6 " " . . . . .   | 163       | 2,995  | 3,158      |
| 12 " " . . . . .  | 311       | 6,767  | 7,078      |
| For the war,  | 182       | 4,078  | 4,630*     |
| Total, horse,   | 712       | 14,829 | 15,911     |
| <i>Artillery.</i>   |           |        |            |
| 3 months' men,  | 12        | 238    | 250        |
| 6 " " . . . . .   | 16        | 270    | 286        |
| 12 " " . . . . .  | 9         | 230    | 239        |
| For the war,  | 13        | 335    | 389*       |
| Total, artillery,   | 50        | 1,073  | 1,164      |
| <i>Infantry.</i>  |           |        |            |
| 3 months' men,  | 4         | 91     | 95         |
| 6 " " . . . . .   | 355       | 7,351  | 7,706      |
| 12 " " . . . . .  | 798       | 18,229 | 19,027     |
| For the war,  | 1,168     | 26,238 | 27,406     |
| Total, infantry,  | 2,325     | 51,909 | 54,234     |
| Grand total of volunteers, not including the general staff (252), | 3,087     | 67,811 | 71,309*    |

From the number of volunteers it is proper to deduct the force not called out by the War Department, nor under the act of May 13, 1846, and also those mustered, but discharged as supernumerary. This class embraces the three and six months' men, two regiments of twelve months' men from Ohio and Missouri, and one company from Iowa, amounting to 14,383. Deducting this class from the aggregate, 71,309, the force enrolled under the act of May 13, 1846, and under the fifth section of the act of March 3, 1847, is about 56,926. But this number was reduced by discharges, &c., and it is probable that the number put *en route* for the army exceeded but little 50,000 men.

\* Two errors, causing an excess of 411, will be observed, which occur in the report. The numbers are left as they stand in the report, because we have no means of judging whether the error is in the aggregate or in the particular sums.



8. *General View of the Forces employed in the War with Mexico, the Number of Men and Officers discharged, deserted, killed in Battle, died of Illness, died of Wounds, resigned, and accidentally wounded or killed.*

| Regular Troops.   | Forces employed and mustered into service. |                  |                  | Discharges.               |                 |                               |                              | Deaths.                    |                       |                          |                     |                                 |            |
|---|--|------------------|------------------|---------------------------|-----------------|-------------------------------|------------------------------|----------------------------|-----------------------|--------------------------|---------------------|---------------------------------|------------|
|   | Officers.                                  | Men.             | Aggregate.       | By expiration of service. | For disability. | By order and civil authority. | Aggregate No. of discharges. | Officers killed in battle. | Men killed in battle. | Officers died of wounds. | Men died of wounds. | Total, killed & died of wounds. |            |
|   |  |                  |                  |                           |                 |                               |                              |                            |                       |                          |                     | Offi-<br>cers.                  | Men.       |
| Old establishment, including marines, Additional force, | *628<br>476                                | 16,217<br>10,145 | 16,885<br>10,621 | 1,435<br>2                | 887<br>248      | 253<br>56                     | 2,575<br>306                 | 45<br>6                    | 434<br>62             | 19<br>4                  | 331<br>71           | 64<br>6                         | 765<br>133 |
| Aggregate reg. army,                                    | 1,104                                      | 26,362           | 27,506           | 1,437                     | 1,135           | 309                           | 2,881                        | 51                         | 496                   | 23                       | 402                 | 70                              | 898        |
| <i>Volunteer Forces.</i>                                |  |                  |                  |                           |                 |                               |                              |                            |                       |                          |                     |                                 |            |
| General staff,  | 252  |                  | 252              |                           |                 |                               | 47                           | 1                          |                       |                          |                     |                                 |            |
| Regiments and corps,                                    | 3,087                                      | 68,222           | 71,309           | 30,063                    | 5,423           | 1,215                         | 36,701                       | 46                         | 419                   |                          | 82                  | 46                              | 501        |
| Aggregate regular and volunteer forces,                 | 4,391                                      | 94,584           | 99,067           | 31,500                    | 6,558           | 1,524                         | 39,629                       | 98                         | 915                   | 23                       | 484                 | 116                             | 1,399      |

| Regular Troops.                         | Deaths.   |       |            |             |  | Wounded.   |       |             |  |     | Resignations. | Desertions. |
|---|-----------|-------|------------|-------------|--|------------|-------|-------------|--|-----|---------------|-------------|
|   | Ordinary. |       |            | Accidental. | Aggregate No. of deaths of officers and men. | In battle. |       |             | Aggregate No. of wounded officers and men. |     |               |             |
|   | Officers. | Men.  | Aggregate. |             |  | Officers.  | Men.  | Accidental. |  |     |               |             |
| Old establishment, including marines,   | 44        | 1,787 | 1,831      | ..          | 2,660  | 130        | 1,799 | ..          | 1,929                                      | 32  | 1,637         |             |
| Additional force, . . . . .             | 28        | 977   | 1,005      | ..          | 1,148  | 41         | 427   | ..          | 468  | 76  | 445           |             |
| Aggregate regular army, . . . . .       | 72        | 2,764 | 2,836      | ..          | 3,808  | 171        | 2,226 | ..          | 2,397                                      | 108 | 2,082         |             |
| <i>Volunteer Forces.</i>                |           |       |            |             |  |            |       |             |  |     |               |             |
| General staff,                          | 14        | ..    | ..         | ..          | 15   | ..         | ..    | ..          | ..   | ..  | ..            |             |
| Regiments and corps, . . . . .          | †         | †     | 3,229      | 108         | 3,884  | 129        | 1,207 | 10          | 1,346                                      | 275 | 2,884         |             |
| Aggregate regular and volunteer forces, | 86        | 2,764 | 6,065      | 108         | 7,707  | 300        | 3,433 | 10          | 3,743                                      | 427 | 4,966         |             |

In these statements allowance must be made for failures to report casualties, and for the loss of many rolls and returns. The actual loss under the heads of "Number of Discharges" and "Ordinary Deaths" is probably *much greater* than is exhibited, as the muster-rolls of many regiments are missing.

\* This number does not embrace the numerous officers of the general staff and staff corps sent from time to time to Mexico.

† In the reports of the deaths of volunteers, of ordinary disease, officers are not discriminated.

9. *Number of Officers and Men killed and wounded, or died of Wounds, in the several Conflicts with the Mexican Troops.*

| Actions.  | Killed in battle. |      |        | Wounded.  |      |        | Aggregate killed and wounded. | Died of wounds. |      |        |
|---|-------------------|------|--------|-----------|------|--------|-------------------------------|-----------------|------|--------|
|   | Officers.         | Men. | Total. | Officers. | Men. | Total. |                               | Officers.       | Men. | Total. |
| 1. Affair of Capt. Thornton's party, April 25, 1846.<br>Regulars, . . . . .     | 1                 | 10   | 11     |           | 6    | 6      | 17                            |                 |      |        |
| 2. Affair of Capt. Walker, April 28, 1846.<br>Volunteers, . . . . .             |                   | 10   | 10     |           |      |        | 10                            |                 |      |        |
| 3. Palo Alto, May 8, 1846.<br>Regulars, . . . . .                               |                   | 5    | 5      | 3         | 40   | 43     | 48                            | 2               | 8    | 10     |
| 4. Rosaca de la Palma, May 9, 1846.<br>Regulars, . . . . .                      | 3                 | 30   | 33     | 12        | 77   | 89     | 122                           | 11              | 11   |        |
| 5. Monterey, Sept. 21 - 23, 1846.<br>Regulars, . . . . .                        | 8                 | 47   | 55     | 12        | 138  | 150    | 205                           | 1               | 8    | 9      |
| Volunteers, . . . . .   | 4                 | 69   | 73     | 18        | 200  | 218    | 291                           |                 | 9    | 9      |
| Total, . . . . .  | 12                | 116  | 128    | 30        | 338  | 368    | 496                           | 1               | 17   | 18     |
| 6. Fort Brown, May 4 to 9, 1846.<br>Regulars, . . . . .                         |                   | 1    | 1      | 2         | 7    | 9      | 10                            | 1               |      | 1      |
| 7. San Pasqual (Gen. Kearny), Dec. 6, 1846.<br>Regulars, . . . . .              | 3                 | 14   | 17     | 2         | 11   | 13     | 30                            |                 |      |        |
| Volunteers, . . . . .   |                   | 1    | 1      | 2         |      | 2      | 3                             |                 |      |        |
| Total, . . . . .  | 3                 | 15   | 18     | 4         | 11   | 15     | 33                            |                 |      |        |
| 8. Incidental loss. — Regulars, . . . . .                                       | 3                 |      | 3      |           |      |        | 3                             |                 |      |        |
| 9. Col. Doniphan, Dec. 26, 1846, . . . . .                                      | 4                 | 70   | 74     | 20        | 207  | 227    | 301                           |                 | 9    | 9      |
| 10. Buena Vista, Feb. 22 and 23, 1847.<br>Regulars, . . . . .                   | 1                 | 5    | 6      | 5         | 31   | 36     | 42                            | 2               | 2    |        |
| Volunteers, . . . . .   | 27                | 232  | 259    | 35        | 337  | 372    | 631                           |                 |      |        |
| Total, . . . . .  | 28                | 237  | 265    | 40        | 368  | 408    | 673                           |                 |      |        |
| 11. Vera Cruz, March 9 - 28, 1847.<br>Regulars, . . . . .                       | 2                 | 5    | 7      | 1         | 25   | 26     | 33                            | 3               | 3    |        |
| Volunteers, . . . . .   |                   | 2    | 2      | 1         | 24   | 25     | 27                            |                 |      |        |
| Total, . . . . .  | 2                 | 7    | 9      | 2         | 49   | 51     | 60                            | 3               | 3    |        |
| 12. Cerro Gordo, April 18 and 19, 1847.<br>Regulars, . . . . .                  | 1                 | 39   | 40     | 9         | 192  | 201    | 241                           | 2               | 19   | 21     |
| Volunteers, . . . . .   | 3                 | 21   | 24     | 17        | 135  | 152    | 176                           |                 |      |        |
| Total, . . . . .  | 4                 | 60   | 64     | 26        | 327  | 353    | 417                           | 2               | 19   | 21     |
| 13. Contreras and Churubusco, Aug. 19 and 20, 1847.<br>Regulars, . . . . .      | 10                | 96   | 106    | 39        | 614  | 653    | 759                           | 3               | 28   | 31     |
| Volunteers, . . . . .   | 4                 | 23   | 27     | 21        | 191  | 212    | 239                           |                 |      |        |
| Total, . . . . .  | 14                | 119  | 133    | 60        | 805  | 865    | 998                           | 3               | 28   | 31     |
| 14. El Molino del Rey, Sept. 8, 1847.<br>Regulars, . . . . .                    | 9                 | 115  | 124    | 42        | 539  | 581    | 705                           | 5               | 62   | 67     |
| 15. Chapultepec and City of Mexico, Sept. 12 - 14, 1847.<br>Regulars, . . . . . | 7                 | 97   | 104    | 37        | 397  | 434    | 538                           | 1               | 39   | 40     |
| Volunteers, . . . . .   | 3                 | 31   | 34     | 23        | 216  | 239    | 273                           |                 |      |        |
| Total, . . . . .  | 10                | 128  | 138    | 60        | 613  | 673    | 811                           | 1               | 39   | 40     |

| Actions.   | Killed in battle. |      |        | Wounded.  |      |        | Aggregate killed and wounded. | Died of wounds. |      |        |
|--|-------------------|------|--------|-----------|------|--------|-------------------------------|-----------------|------|--------|
|  | Officers.         | Men. | Total. | Officers. | Men. | Total. |                               | Officers.       | Men. | Total. |
| 16. San Gabriel (Gen. Kearny) Jan. 8 and 9, 1847.                                    |                   |      |        |           |      |        |                               |                 |      |        |
| Regulars, . . . . .  |                   | 1    | 1      | 1         | 11   | 12     | 13                            |                 |      |        |
| Volunteers, . . . . .  |                   |      |        | 1         | 1    | 2      | 2                             |                 |      |        |
| Total, . . . . .   |                   | 1    | 1      | 2         | 12   | 14     | 15                            |                 |      |        |
| 17. Incidental loss. — Regulars, . . . . .   | 1                 |      | 1      |           |      |        | 1                             |                 |      |        |
| 18. Col. Price at La Canada, Jan. 24; Embudo, Jan. 29; Pueblo de Taos, Feb. 4, 1847. |                   |      |        |           |      |        |                               |                 |      |        |
| Regulars, . . . . .  |                   | 5    | 5      | 1         | 18   | 19     | 24                            |                 |      |        |
| Volunteers, . . . . .  |                   | 3    | 3      | 5         | 28   | 33     | 36                            |                 |      |        |
| Total, . . . . .   |                   | 8    | 8      | 6         | 46   | 52     | 60                            |                 |      |        |
| 19. Sacramento (Col. Doniphan), Feb. 28, 1847, . . . . .                             | 1                 |      | 1      |           | 5    | 5      | 6                             |                 |      |        |
| 20. Brev. Col. McIntosh, June 8, 1847.   |                   |      |        |           |      |        |                               |                 |      |        |
| Regulars, . . . . .  |                   | 6    | 6      |           | 15   | 15     | 21                            |                 |      |        |
| 21. Calaboza (Col. De Russey), July 12, 1847.  |                   |      |        |           |      |        |                               |                 |      |        |
| Regulars, . . . . .  |                   |      |        |           | 5    | 5      | 5                             |                 |      |        |
| Volunteers, . . . . .  | 1                 | 11   | 12     | 2         | 5    | 7      | 19                            |                 |      |        |
| Total, . . . . .   | 1                 | 11   | 12     | 2         | 10   | 12     | 24                            |                 |      |        |
| 22. Major Lally's affairs, Aug. 10, 12, 15, and 19, 1847.                            |                   |      |        |           |      |        |                               |                 |      |        |
| Regulars, . . . . .  |                   | 9    | 9      | 7         | 67   | 74     | 83                            | 1               |      | 1      |
| Volunteers, . . . . .  |                   | 2    | 2      |           | 6    | 6      | 8                             |                 |      |        |
| Total, . . . . .   |                   | 11   | 11     | 7         | 73   | 80     | 91                            | 1               |      | 1      |
| 23. Siege of Puebla (Col. Childs), Sept. 13—Oct. 12, 1847.                           |                   |      |        |           |      |        |                               |                 |      |        |
| Regulars, . . . . .  |                   | 3    | 3      |           | 13   | 13     | 16                            |                 |      |        |
| Volunteers, . . . . .  |                   | 15   | 15     | 3         | 34   | 37     | 52                            |                 |      |        |
| Total, . . . . .   |                   | 18   | 18     | 3         | 47   | 50     | 68                            |                 |      |        |
| 24. Huamantla (Gen. Lane), Oct. 9, 1847.   |                   |      |        |           |      |        |                               |                 |      |        |
| Regulars, . . . . .  | 1                 | 12   | 13     |           | 11   | 11     | 24                            |                 |      |        |
| 25. Major Lane, Nov. 21, 1847.   |                   |      |        |           |      |        |                               |                 |      |        |
| Volunteers, . . . . .  |                   | 1    | 1      |           | 4    | 4      | 5                             |                 |      |        |
| 26. Affairs of Gen. Lane, Nov. 24, 1847.   |                   |      |        |           |      |        |                               |                 |      |        |
| Regulars, . . . . .  | 1                 |      | 1      |           |      |        | 1                             |                 |      |        |
| Volunteers, . . . . .  |                   | 1    | 1      | 1         | 1    | 2      | 3                             |                 |      |        |
| Total, . . . . .   | 1                 | 1    | 2      | 1         | 1    | 2      | 4                             |                 |      |        |
| 27. Incidental loss. — Volunteers.   |                   |      |        |           |      |        |                               |                 |      |        |
| Jan. 24, 1847, . . . . .   | 1                 |      | 1      |           | 3    | 3      | 4                             |                 |      |        |
| May 27, 1847, . . . . .  |                   | 1    | 1      |           | 2    | 2      | 3                             |                 |      |        |
| June 27, 1847, . . . . .   | 1                 | 2    | 3      |           |      |        | 3                             |                 |      |        |
| July 6, 1847, . . . . .  | 1                 | 4    | 5      |           | 9    | 9      | 14                            |                 |      |        |
| On road to Huamantla, . . . . .  | 1                 |      | 1      |           |      |        | 1                             |                 |      |        |
| Total, . . . . .   | 4                 | 7    | 11     |           | 14   | 14     | 25                            |                 |      |        |

The results under the heads of "Wounded" and "Died of Wounds" in the several statements in the Report do not agree, "because so many of the intermediate muster-rolls and returns are missing."

## XXVIII. RAILROADS IN THE UNITED STATES.

The following list of Railroads in Massachusetts and the adjacent States, and in New York, is very complete and accurate, being compiled from official returns made near January, 1847. But the remainder is quite imperfect, though more full than any thing which has been given before. We insert it in the hope, that, by the kindness of our correspondents in the several States, and of the officers of the railroad companies, we may obtain materials for a far more perfect enumeration in our next volume.

## 1. Railroads in Massachusetts.

| Name of Road.             | Road completed. | Length of Road. | Total Capital paid in. | Total Cost of Road and Equipment. | No. of Miles run in 1847. | No. of Miles run by Passenger Trains. | No. of Miles run by Freight Trains. | No. of Passengers carried. | Tons of Merchandise carried. | Receipts from Passengers in 1847. | Receipts from Freight in 1847. | Total Income in 1847. | Total Expenses in 1847. | Dividends for 1847. | Amount of Dividends paid since Road commenced.* | Surplus on hand. |
|---------------------------|-----------------|-----------------|------------------------|-----------------------------------|---------------------------|---------------------------------------|-------------------------------------|----------------------------|------------------------------|-----------------------------------|--------------------------------|-----------------------|-------------------------|---------------------|---|------------------|
| Berkshire,†               | 1841            | 21.11           | 600,000                | 600,000                           | 32,928                    | 13,146                                | 19,782                              | 38,896                     |                              |                                   |                                | 42,000                | 253,408                 |                     | 874   | 202,474          |
| Boston and Lowell,†       | 1835            | 25.75           | 1,800,000              | 1,956,719                         | 350,546                   | 164,706                               | 70,749                              | 484,083                    | 921,441                      | 209,611                           | 234,815                        | 448,556               | 253,408                 |                     | 8   | 53,977           |
| Boston and Maine,         | 1843            | 72.93           | 2,601,301              | 3,021,172                         | 324,251                   | 227,553                               | 73,118                              | 728,307                    | 428,321                      | 181,179                           | 988                            | 511,504               | 220,259                 |                     | 63  | 115,621          |
| Boston and Providence,    | 1835            | 41.00           | 2,520,000              | 2,544,715                         | 226,261                   | 169,107                               | 51,954                              | 487,478                    | 87,605                       | 226,103                           | 118,172                        | 363,368               | 175,345                 |                     | 74  | 19,910           |
| Boston and Worcester,     | 1835            | 44.62           | 3,500,000              | 4,113,609                         | 405,153                   | 211,306                               | 187,363                             | 598,305                    | 283,718                      | 304,580                           | 374,662                        | 722,170               | 381,955                 |                     | 10  | 1,731            |
| Connecticut River,        | 1846            | 35.90           | 800,900                | 1,169,235                         | 106,158                   | 74,059                                | 33,221                              | 237,215                    | 44,450                       | 70,207                            | 48,319                         | 123,951               | 50,018                  |                     | 7   | 176,660          |
| Eastern,                  | 1840            | 28.15           | 2,250,000              | 2,937,506                         | 241,531                   | 203,352                               | 33,804                              | 892,896                    | 41,047                       | 343,372                           | 50,455                         | 424,840               | 160,053                 |                     | 8   | 40,690           |
| Fall River,               | 1846            | 41.80           | 1,050,000              | 1,070,988                         | 112,390                   | 79,858                                | 26,282                              | 173,134                    | 29,021                       | 77,040                            | 30,991                         | 111,354               | 77,986                  |                     | 3   | 146,713          |
| Fitchburg,                | 1845            | 49.30           | 2,235,900              | 2,405,723                         | 256,800                   | 158,140                               | 70,352                              | 494,035                    | 244,476                      | 165,091                           | 208,528                        | 390,736               | 167,726                 |                     | 9   | 17,615           |
| Nashua and Lowell,†       | 1838            | 14.25           | 500,000                | 500,000                           | 52,553                    | 29,505                                | 20,100                              | 225,354                    | 151,111                      | 89,142                            | 82,620                         | 167,335               | 96,837                  |                     | 10  | 80,978           |
| New Bedford and Taunton,  | 1840            | 20.13           | 400,000                | 483,882                           | 132,513                   | 99,852                                | 34,376                              | 97,396                     | 19,352                       | 55,263                            | 41,007                         | 138,881               | 94,760                  |                     | 54  | 288,805          |
| Norwich and Worcester,‡   | 1839            | 66.00           | 1,653,500              | 2,187,249                         | 202,572                   | 119,079                               | 74,390                              | 158,487                    |                              | 114,310                           | 108,003                        | 234,805               | 141,432                 |                     | 134   | 11,605           |
| Old Colony,               | 1845            | 37.25           | 1,199,300              | 1,636,633                         | 152,693                   | 105,105                               | 27,944                              | 389,994                    | 42,707                       | 124,775                           | 41,527                         | 171,153               | 87,020                  |                     | 74  | 1,063            |
| Pittsfield & North Adams, | 1846            | 18.65           | 443,000                | 446,358                           | 33,212                    | 27,664                                | 35,528                              |                            | 10,650                       | 15,763                            | 10,005                         | 25,974                | 17,795                  |                     | 3   | 30,419           |
| Stoughton Branch,         | 1845            | 5.00            | 85,600                 | 91,576                            |                           |                                       |                                     |                            |                              |                                   |                                | 24,951                | 18,823                  |                     | 8   | 185,803          |
| Taunton Branch,           | 1836            | 11.00           | 250,000                | 303,742                           | 81,109                    | 58,692                                | 21,862                              | 108,639                    | 30,461                       | 68,625                            | 42,989                         | 113,909               | 85,694                  |                     | 22  |                  |
| Western,¶                 | 1842            | 156.00          | 4,000,000              | 8,769,473                         | 819,010                   | 236,677                               | 513,772                             | 388,111                    | 527,401                      | 502,321                           | 785,345                        | 1,395,396             | 676,659                 |                     |   |                  |
| Total..                   |                 | 686.64          | 26,569,691             |                                   |                           |                                       |                                     |                            |                              |                                   |                                |                       |                         |                     |   |                  |

\* The cars commenced running on sections of the various roads as they were finished, and dividends were declared from the net earnings, in some cases, before the road was completed.

† Leased to the Bridgeport and West Stockbridge Road at seven per cent. net on the capital of \$500,000.

‡ Nine and a quarter miles in Massachusetts, the rest in New Hampshire.

§ Includes branch from Norwich to Allyn's Point, seven miles.

|| This road is maintained by the Boston and Providence Railroad Corporation.

¶ This includes the Albany and West Stockbridge Railroad, from Albany to the State line. Length 38.25 miles. Built at a cost of \$1,787,240, and leased by the Western Railroad.

The following roads are also completed : —

| Name.                             | Length. | When completed. | Cost.      |
|-----------------------------------|---------|-----------------|------------|
| Cape Cod Branch, . . . .          | 27.8    | 1848            | \$ 500,000 |
| Dorchester and Milton, . . .      | 3.2     | 1848            | 74,265     |
| Essex, . . . . .                  | 21.5    | 1848            | 400,000    |
| Hartford and New Haven, in Mass., | 5.9     | 1845            |            |
| Lexington and West Cambridge,     | 6.6     | 1846            | 221,309    |
| Providence and Worcester, . .     | 43.5    | 1847            | 1,756,755  |
| West Stockbridge, . . . .         | 2.7     | 1837            |            |
| Total, . . . . .                  | 111.25  |                 |            |

The Woburn Branch, 2 miles long, belongs to the Lowell road; the Medford Branch, 2 miles, the Lawrence Branch, 2 miles, and the Great Falls Branch (in New Hampshire), 3 miles, to the Maine; the Dedham Branch, 2½ miles, to the Providence; the Brookline Branch, 1.6 miles, the Newton Lower Falls Branch, 2.5 miles, the Saxonville Branch, 4 miles, the Millbury Branch, 3½ miles, and the Milford Branch 12 miles, to the Worcester; the Marblehead Branch, 3 miles, the Gloucester Branch, 12 miles, and the Salisbury Branch, 3 miles, to the Eastern; the Fresh Pond and Watertown Branch, 5 miles, to the Fitchburg. The Worcester Branch road is half a mile in length, the Bridgewater Branch 6½ miles, the Chicopee Branch 3 miles, and the Quincy road 3 miles. Including these, the total length of what may be called the Massachusetts roads is 880.74 miles. Besides these, there are numerous roads in process of construction, leading from the main lines in Massachusetts into other States. During the session of 1846, the Massachusetts Legislature chartered eighteen roads and branches, with an aggregate capital of \$ 5,795,000; during the session of 1847, sixteen, with an aggregate capital of \$ 4,822,000; and during the session of 1848, nineteen, with an aggregate capital of \$ 7,105,000. During the last session, the capital stock of the railroads already in operation was increased to the amount of \$ 3,945,000.

## 2. Other Completed Railroads in New England.

| State.         | Name.                           | Length.<br>Miles. | Cost.      | Expenses<br>in 1847. | Receipts<br>in 1848. |
|----------------|---------------------------------|-------------------|------------|----------------------|----------------------|
| Maine,         | Bangor and Piscataquis,         | 12                | \$ 350,000 |                      |                      |
| "              | Portland, Saco, and Portsmouth, | 52                | 1,271,824  | \$ 59,225            | \$ 160,805           |
| New Hampshire, | Eastern Railroad, in N. H.,     | 16.8              | *494,000   |                      |                      |
| "              | Nashua and Concord,             | 35                | 1,042,718  | 176,453              | 290,228              |
| Vermont,       | Northern,                       | 70                | 2,680,800  |                      |                      |
| Rhode Island,  | Providence and Stonington,      | 48                | 2,614,404  | 110,044              | 198,707              |
| Connecticut,   | Hartford and New Haven,         | 38                | 1,100,000  | 145,688              | 430,212              |
| "              | Hartford and Springfield,       | 19†               | 540,000    |                      |                      |
| "              | Bridgeport and W. Stockbridge.  | 90‡               | 1,249,123  |                      |                      |
| Total,         |                                 | 380.8             |            |                      |                      |

\* Costs, &c., included in the aggregate of the Eastern Railroad in Massachusetts.

† Six miles more in Massachusetts, from State line to Springfield.

‡ A portion of this road is in Massachusetts. The total length of railroads in New England is 1,261.54 miles.

### 3. *Principal Lines of Railroads in Process of Construction in New England, on the 1st of September, 1848.*

#### Name.

- Atlantic and St. Lawrence, From Portland to the Canada line, which it strikes at the town of Canaan, N. H., where it connects with the St. Lawrence and Atlantic Railroad. Whole length 156 miles. Open to North Yarmouth, Me., 13 miles. Will be opened to Mechanics' Falls, 37 miles, during the coming winter. Branch from Mechanics' Falls to Buckfield; length 10 miles.
- Kennebec, Bath, & Portland, From Portland to Augusta, with Branch to Bath. Length, 60 miles.
- Androscoggin and Kennebec, From Augusta to Lewiston Falls, where it connects with the Atlantic and St. Lawrence Railroad. Length 30 miles.
- Portsmouth and Concord, From Portsmouth to Concord, N. H. Length 40 miles.
- Manchester and Lawrence, From Manchester, N. H., to Lawrence, Mass. Length 23½ miles.
- Concord and Montreal, . . . From Concord, N. H., *via* Plymouth and Haverhill, to a point of intersection with some one of the Montreal roads. Length 69 miles. Open to Meredith Bridge, 27 miles.
- Cheshire, . . . . . From South Ashburnham, Mass., at a point 10½ miles from Fitchburg, *via* Keene, N. H., to Bellows Falls, Vt., where it connects with the Rutland and Sullivan Railroads. Length 50 miles, from South Ashburnham. Opened to Keene, 32 miles.
- Sullivan, . . . . . From a point on Connecticut River opposite to Bellows Falls to Hartford, Vt., thus uniting the Cheshire and Northern roads. Length 25 miles.
- Connecticut and Passumpsic River, From the mouth of White River at Hartford, Vt., up the west bank of the Connecticut to the State line at Derby, where it will connect with the St. Lawrence and Canada road. Length 114 miles; will be opened during the fall to Wells River (Newbury), 40 miles.
- Vermont Central, . . . . From Hartford, Vt., *via* Montpelier and the valley of the Onion River, to Burlington. Length 115 miles. Opened to Roxbury, Vt., 45 miles.
- Rutland, . . . . . From Bellows Falls, *via* Rutland, Middlebury, and the valley of Black River and the Otter Creek. Length 117 miles. A branch is projected from Rutland, *via* Castleton, to Whitehall, N. Y.
- Vermont and Massachusetts, From Fitchburg, Mass., to Brattleboro', Vt. Length 70 miles. Opened to Erving, Mass., 43 miles. Another company construct the road from Brattleboro' to Bellows Falls.
- Peterboro' and Shirley, . . From Groton, Mass., where it leaves the Fitchburg road, to Peterboro', N. H. Length 30 miles. Opened to the village of West Townsend, within 3 miles of State line, 12 miles.
- Fitchburg and Worcester, Length 12 miles.
- Grand Junction and Union, From deep water at East Boston to Worcester Railroad in Brighton. Length 6 miles.
- Lowell and Lawrence, . . Length 12.3 miles.
- Norfolk County, . . . . From a point in the Boston and Providence road, within 10 miles from Boston, to Blackstone. Length 25 miles. This includes the Walpole Railroad Co.

Name.<sup>7</sup>

- South Shore, . . . . . From the Old Colony road at Quincy to Duxbury. Length 22 miles.
- Stony Brook, . . . . . From the Fitchburg road at Groton, Mass., to Lowell. Length 13.16 miles.
- Worcester and Nashua, . Length 45.55 miles.
- New London and Willimantic, From New London, Conn., *via* Willimantic, to Palmer Depot, Mass., on the Western Railroad. Length 68 miles.
- Canal, . . . . . From New Haven to Springfield. Open to Plainville, 28 miles.
- New York and New Haven, From a point near Williams's Bridge, about 14 miles from New York, on the Harlem road, to New Haven. Length 140 miles. Opened to Bridgeport, 60 miles.

#### 4. Accidents upon the Railroads in Massachusetts, since they have been in Operation.

[From House Document No. 46, Session of 1848.]

|  |     |   |     |
|--|-----|---|-----|
| Whole number of passengers killed,     | 22  | Whole number of persons injured,          | 195 |
| Whole number of passengers injured,    | 69  | Whole number of persons killed or injured |     |
| Whole number of employees killed,      | 75  | at crossings,                             | 20  |
| Whole number of employees injured,     | 72  | Whole number of persons killed or injured |     |
| Whole number of other persons killed,  | 58  | by bridges,                               | 36  |
| Whole number of other persons injured, | 54  | Whole number of persons killed or injured |     |
| Whole number of persons killed,        | 155 | from walking on the track,                | 28  |

The whole amount of compensation made by the various corporations on account of the above accidents is \$155,467.16. In addition to this, large sums (the amounts are not mentioned) have been expended for medical attendance, funeral expenses, continuance of wages, &c.

#### 5. Characteristics of the Principal Railroads in Massachusetts.

| Name of Road.      | Length.     | Length of Single Tracks. | Length of Double Tracks. | Weight of Rail per yard. | Maximum Grade.   |           | Total Rise and Fall. | Curvature.       |                  | Total Curvature in Degrees. | Length of Straight Line. | Aggregate Length of Truss Bridges. | Length of Branches. |
|--------------------|-------------|--------------------------|--------------------------|--------------------------|------------------|-----------|----------------------|------------------|------------------|-----------------------------|--------------------------|------------------------------------|---------------------|
|                    |             |                          |                          |                          | Height per Mile. | Length.   |                      | Shortest Radius. | Length of Curve. |                             |                          |                                    |                     |
| Berkshire,         | Miles 21.13 | Mile 21.13               | none                     | lbs. 56                  | Feet. 40         | Mile 1.20 | Feet. 981            | 5440             |                  | 665                         | 12.48                    | 54                                 | 1.75                |
| Boston & Lowell,   | 25.75       | none                     | 25.75                    | 54                       | 10               | 6.28      | 184                  | 1200             | 900              | 665                         | 18.25                    | 54                                 | 1.75                |
| Boston & Maine,    | 72.93       | 67.93                    | 5.00                     | 58                       | 47.52            | 1.23      | 1579                 | 1050             | 1150             | 1894                        | 49.76                    | 2067                               | 9.65                |
| Bost. & Provid.,   | 41.00       | 25.25                    | 15.75                    | 57                       | 37.50            | 5.10      | 565                  | 1910             | 700              | 342                         | 35.62                    | 257                                | 6.60                |
| Bost. & Worcester  | 44.62       | none                     | 44.62                    | 62                       | 40               | 1.25      | 717                  | 600              | 900              | 1975                        | 25.83                    | 350                                | 14.00               |
| Connecticut Riv.,  | 35.90       | 35.90                    |                          | 56                       | 18               | 9.10      | 354                  | 900              | 700              | 1321                        | 26.12                    | 2170                               | 2.35                |
| Eastern,           | 38.12       | 22.11                    | 16.00                    | 52                       | 40               |           | 578                  | 1146             | 1100             | 450                         | 28.50                    | 2218                               | 19.97               |
| Fall River,        | 41.80       | 41.80                    |                          | 54                       | 44.9             | 0.45      | 874                  | 955              | 400              | 685                         | 30.34                    | 67                                 |                     |
| Fitchburg,         | 49.34       | 49.34                    | 5.11                     | 56                       | 40               | 5.12      | 713                  | 818              | 500              | 1694                        | 34.67                    | 454                                | 2.33                |
| Nashua & Lowell,   | 14.25       | 1.20                     | 13.05                    | 56                       | 12.7             | 0.78      | 73                   | 636              | 100              | 770                         | 6.74                     | 535                                |                     |
| N. Bed. & Taunt.,  | 20.13       | 20.13                    |                          | 56                       | 40.0             | 1.51      | 168                  | 1906             | 1100             | 160                         | 17.75                    |                                    |                     |
| Nor. & Worcester,  | 59.00       | 57.2                     | 1.8                      | 56                       | 32               | 2.51      | 845                  | 1910             | 3639             | 424                         | 12.80                    | 1575                               | 7.00                |
| Old Colony,        | 37.25       | 37.25                    |                          | 56                       | 39.6             | 1.2       | 509                  | 520              | 450              | 853                         | 30.20                    | 217                                | 7.00                |
| Pittsfield & N.A., | 18.65       | 18.40                    | .70                      | 56                       | 66.0             | 2.22      | 365                  | 477              | 722              | 710                         | 13.29                    | 394                                |                     |
| Taunton Branch,    | 11.00       | 11                       |                          | 58                       | 29               | 0.57      | 123                  | 800              | 1000             | 70                          | 11.00                    |                                    | 0.56                |
| Western,           | 117.80      | 98.96                    | 18.84                    | 64                       | 83               | 1.50      | 2085                 | 882              | 490              |                             | 62.93                    | 6092                               |                     |

6. *New York Railroads.*

| Name of Road.                  | Length.    | Cost of Construction. | Total No. of Miles run in 1847. | Expenses in 1847. | Income from Passengers in 1847. | Income from Freight, &c., in 1847. | Dividends. |
|--------------------------------|------------|-----------------------|---------------------------------|-------------------|---------------------------------|------------------------------------|------------|
|                                | Miles.     | \$                    |                                 | \$                | \$                              | \$                                 | \$         |
| Albany and Schenectady, . .    | 17         | 1,521,216             | 72,495                          | 60,310            | 110,051                         | 54,325                             | 25,000     |
| Utica and Schenectady, . .     | 78         | 2,833,380             | 280,000                         | 234,243           | 509,782                         | 188,932                            | 160,000    |
| Syracuse and Utica, . . .      | 53         | 1,429,442             | 160,000                         | 124,631           | 285,941                         | 64,238                             | 80,000     |
| Auburn and Syracuse, . .       | 26         | 771,282               | 76,148                          | 61,209            | 123,848                         | 33,261                             | 32,000     |
| Auburn and Rochester, . .      | 78½        | 2,087,797             | 223,116                         | 154,613           | 334,710                         | 61,056                             | 112,000    |
| Tonawanda, . . . . .           | 43½        | 805,630               | 91,854                          | 55,718            | 155,993                         | 38,757                             | 57,000     |
| Attica and Buffalo, . . .      | 31         | 487,543               | 76,791                          | 49,000            | 104,010                         | 32,772                             | 33,990     |
| Buffalo and Niagara Falls, .   | 22         | 171,675               | 26,596                          | 18,879            | 43,726                          | 3,915                              | 15,879     |
| Saratoga and Schenectady, .    | 22         | 300,000               | 23,628                          | 30,288            | 36,501                          | 7,295                              |            |
| Schenectady and Troy, . .      | 20½        | 653,366               | 54,506                          | 38,337            | 33,232                          | 12,889                             | None.      |
| Rensselaer and Saratoga, .     | 25         | 475,801               | 34,144                          | 37,718            | 40,563                          | 20,706                             | 21,000     |
| Long Island,* . . . . .        | 98½        | 2,045,325             | 174,363                         | 142,220           | 114,646                         | 44,058                             | None.      |
| Albany and West Stockbridge, . | 38½        | 1,789,808             | 234,408                         | 44,234            |                                 |                                    |            |
| Troy and Greenbush, . . .      | 6          | 290,241               | 54,444                          | 42,756            | 36,366                          | 27,462                             | None.      |
| New York and Harlem, . . .     | 53         | 1,874,892             |                                 | 136,263           | 225,605                         | 29,606                             | None.      |
| New York and Erie, . . . .     | 62         | 2,759,835             | 159,632                         | 172,970           | 100,990                         | 163,128                            | None.      |
| Hudson and Berkshire, . .      | 31         | 575,613               | 33,500                          | 23,500            | 6,782                           | 22,054                             |            |
| Buffalo and Black Rock, . .    | 3          | 20,000                | 21,900                          | 1,825             | 2,364                           |                                    | None.      |
| Cayuga and Susquehanna, . .    | 29         | 18,000                | 32,700                          | 21,088            | 3,581                           | 17,644                             |            |
| Skaneateles and Jordan, . .    | not rept'd | 28,211                |                                 | 2,554             | 1,092                           | 2,277                              | 815        |
| Total, . . . . .               | 737        | 20,544,957            |                                 |                   |                                 |                                    |            |

7. *Other Railroads in the United States.*

| State. | Name.  | Miles in Length. | Cost.      | Gross Receipts in 1846. | Expenses in 1846. |
|--------|--|------------------|------------|-------------------------|-------------------|
|        |  |                  | \$         | \$                      | \$                |
| N. J.  | Camden and Amboy, . . . . .                  | 61               | 3,200,000  | 1,150,383½              | 741,917½          |
| "      | Trenton Branch, . . . . .                    | 8                |            |                         |                   |
| "      | New Brunswick Branch, . . . .                | 28               |            |                         |                   |
| "      | Camden and Woodbury, . . . . .               | 9                |            |                         |                   |
| "      | Elizabethtown and Somerville, .              | 26               | 500,000    |                         |                   |
| "      | Morris and Essex (Newark to Morristown),     | 20               | 400,000    |                         |                   |
| "      | Patterson (to Jersey City), . . .            | 16               | 500,000    |                         |                   |
| "      | New Jersey (Jersey City to N. Brunswick),    | 34               | 2,000,000  |                         |                   |
| Penn.  | Philadelphia and Trenton, . . .              | 26½              | 500,000    |                         |                   |
| "      | Philadelphia, Germantown, and Morristown,    | 17               |            |                         |                   |
| "      | Philadelphia and Wilmington (Del.),          | 27               |            |                         |                   |
| "      | Philadelphia and Reading, . . .              | 95               | 11,531,447 | 1,900,115               | 862,320           |
| "      | Philadelphia and Columbia, . . .             | 82               | 4,204,969  | 474,550                 | 225,521           |
| "      | Philadelphia City, . . . . .                 | 6                |            |                         |                   |
| "      | Portage (Hollidaysburg and Johnstown),       | 36½              | 1,783,000  | 186,678                 | 131,516           |
| "      | Valley (Morristown and Columbia R. R.),      | 20½              |            |                         |                   |
| "      | West Chester (to Columbia Railroad),         | 10               |            |                         |                   |
| "      | Harrisburg and Lancaster, . . .              | 35½              | 860,000    |                         |                   |
| "      | Cumberland Valley, . . . . .                 | 50               | 1,250,000  |                         |                   |
| "      | Franklin (Chambersburg to Williamsport),     | 30               |            |                         |                   |
| "      | York and Wrightsville, . . . .               | 13               |            |                         |                   |
| "      | Strasburg (Cumb. Val. R. R. to Strasburg),   | 7                |            |                         |                   |
| "      | Little Schuylkill (Port Clinton to Tamaqua), | 23               | 326,500    |                         |                   |
| "      | Danville and Pottsville, . . . .             | 44½              |            |                         |                   |
| "      | Little Schuylkill and Susquehanna, .         | 106              |            |                         |                   |
| "      | Williamsport and Elmira (N. Y.), .           | 73½              |            |                         |                   |
| "      | Blossburg and Corning (N. Y.), .             | 40               | 600,000    |                         |                   |
| "      | Mt. Carbon, . . . . .                        | 7½               |            |                         |                   |
| "      | Schuylkill Valley and Branches, . .          | 25               | 300,000    |                         |                   |
| "      | Schuylkill (Schuylkill to Valley R. R.),     | 13               |            |                         |                   |
| "      | Mill Creek (Port Carbon to Coalmine),        | 9                |            |                         |                   |

\* Including the Brooklyn and Jamaica Railroad.

† In 1847.



| State.                                 | Name.                                      | Miles<br>in<br>Length. | Cost.                 | Gross Re-<br>ceipts in<br>1846. | Expenses<br>in<br>1846. |
|--|--|------------------------|-----------------------|---------------------------------|-------------------------|
|  |  |                        | \$                    | \$                              | \$                      |
| Penn.                                  | Minehill and Schuylkill Haven,             | 20                     | 396,117               | .                               | .                       |
| "                                      | Mauch Chunk and Branches (to mines),       | 25                     | 100,000               | .                               | .                       |
| "                                      | Room Run (Mauch Chunk to Coalmine),        | 5 $\frac{1}{2}$        | .                     | .                               | .                       |
| "                                      | Beaver Meadow (Parryville to mine),        | 20                     | 150,000               | .                               | .                       |
| "                                      | Beaver Meadow Branch,                      | 12                     | .                     | .                               | .                       |
| "                                      | Hazleton and Lehigh,                       | 8                      | .                     | .                               | .                       |
| "                                      | Nesquehoning (to Lehigh River),            | 5                      | .                     | .                               | .                       |
| "                                      | Lehigh and Susquehanna,                    | 20                     | 1,250,000             | .                               | .                       |
| "                                      | Carbondale and Honesdale,                  | 18                     | .                     | .                               | .                       |
| "                                      | Lyken's Valley (Broad Mt. to Millersburg), | 16 $\frac{1}{2}$       | 170,000               | .                               | .                       |
| "                                      | Pine Grove,                                | 4                      | .                     | .                               | .                       |
| "                                      | Germantown Branch,                         | 4                      | .                     | .                               | .                       |
| Del.                                   | Frenchtown and Newcastle,                  | 16                     | 600,000               | .                               | .                       |
| Md.                                    | Baltimore and Ohio (to Cumberland),        | 178                    | 7,623,606             | 895,315                         | 454,840                 |
| "                                      | Baltimore and Susquehanna (to York, Pa.),  | 60                     | 3,370,282             | 460,966                         | 254,116                 |
| "                                      | Baltimore and Washington,                  | 31                     | 1,650,000             | 225,560                         | 131,623                 |
| "                                      | Annapolis and Elk Ridge,                   | 21                     | 400,000               | .                               | .                       |
| "                                      | Baltimore and Wilmington,                  | 70                     | .                     | .                               | .                       |
| Va.                                    | Richmond, Fredericksburg, and Potomac,     | 76                     | 1,458,219             | 200,210                         | 91,913                  |
| "                                      | Richmond and Petersburg,                   | 22 $\frac{1}{2}$       | 875,405               | 90,315                          | 49,404                  |
| "                                      | Louisa (Taylorsville to Gordonsville),     | 58                     | 489,586               | 47,090                          | 36,232                  |
| "                                      | Chesterfield (Richmond and Coalmines),     | 13                     | 150,000               | 50,729                          | 25,490                  |
| "                                      | City Point (to Petersburg),                | 12                     | 196,556               | 11,541                          | 11,955                  |
| "                                      | Petersburg (to Garysburg, N. C.),          | 63                     | 946,721 $\frac{1}{2}$ | 160,771                         | 84,778                  |
| "                                      | Winchester and Potomac,                    | 30                     | 411,368               | 63,675                          | 69,945                  |
| "                                      | Portsmouth and Roanoke, <sup>†</sup>       | 78 $\frac{1}{2}$       | 1,454,171             | .                               | .                       |
| "                                      | Greensville and Roanoke,                   | 20                     | 284,433               | .                               | .                       |
| N. C.                                  | Raleigh and Gaston,                        | 87                     | 1,600,000             | .                               | .                       |
| "                                      | Wilmington and Raleigh,                    | 167                    | 1,800,000             | .                               | .                       |
| S. C.                                  | South Carolina (Charleston to Hamburg),    | 136 $\frac{1}{2}$      | .                     | .                               | .                       |
| "                                      | Branchville and Columbia,                  | 68 $\frac{1}{2}$       | 5,671,452             | 43,964 $\frac{1}{2}$            | .                       |
| Ga.                                    | Central (Savannah to Macon),               | 192                    | 2,581,723             | 383,663 $\frac{1}{2}$           | 212,467 $\frac{1}{2}$   |
| "                                      | Macon and Western,                         | 101                    | .                     | .                               | .                       |
| "                                      | Georgia (Augusta to Atlanta),              | 170                    | 3,000,000             | .                               | .                       |
| "                                      | Athens Branch,                             | 40                     | .                     | .                               | .                       |
| "                                      | Western and Atlantic,                      | 102                    | .                     | .                               | .                       |
| Fa.                                    | Tallahassee and St. Marks,                 | 26                     | 130,000               | .                               | .                       |
| "                                      | St. Joseph (St. Joseph to Jola),           | 28                     | .                     | .                               | .                       |
| Ala.                                   | Montgomery and West Point,                 | 45                     | 500,000               | .                               | .                       |
| "                                      | Tuscumbia and Decatur,                     | 46                     | 450,000               | .                               | .                       |
| Miss.                                  | Vicksburg and Jackson,                     | 46                     | 395,600               | .                               | .                       |
| "                                      | Jackson and Brandon,                       | 13                     | 100,000               | .                               | .                       |
| "                                      | Mississippi (Natchez and Malcolm),         | 22                     | .                     | .                               | .                       |
| "                                      | St. Francisville and Woodville,            | 28                     | 168,000               | .                               | .                       |
| Ky.                                    | Lexington and Ohio (to Frankfort),         | 24                     | 400,000               | .                               | .                       |
| Ohio,                                  | Little Miami,                              | 84                     | .                     | .                               | .                       |
| "                                      | Mad River and Lake Erie,                   | 160                    | 1,280,000             | .                               | .                       |
| "                                      | Sandusky and Mansfield,                    | 57                     | .                     | .                               | .                       |
| Ind.                                   | Madison and Indianapolis,                  | 42                     | .                     | .                               | .                       |
| Mich.                                  | Central (Detroit to Kalamazoo),            | 144                    | 1,842,308             | 360,035 $\frac{1}{2}$           | 190,612 $\frac{1}{2}$   |
| "                                      | Southern (Monroe to Hillsdale),            | 68                     | 936,295               | 88,127 $\frac{1}{2}$            | 66,947 $\frac{1}{2}$    |
| "                                      | Tecumseh Branch,                           | 10                     | .                     | .                               | .                       |
| "                                      | Detroit and Pontiac,                       | 25                     | 300,000               | .                               | .                       |
| "                                      | Adrian and Toledo,                         | 33                     | .                     | .                               | .                       |
| Total out of New England and New York, |  | 3,870 $\frac{1}{2}$    |                       |                                 |                         |
| Grand Total in United States,          |  | 5,703 $\frac{1}{2}$    |                       |                                 |                         |

\* When completed, in 1835.

† This road was sold, in 1846, to the State, for \$60,000, and it is now leased to the trustees of the town of Portsmouth.

‡ In 1847.

§ From May 1, 1847, to June 1, 1848.

|| From December 1, 1845, to October 22, 1846, when the road was sold by the State.

# XXIX. TRAFFIC OF THE GERMAN RAILWAYS IN THE YEAR 1847.

[Furnished the American Almanac by Dr. T. G. Flügel of Leipsic.]

|                  | Name of the different Lines.   | Length<br>in<br>German<br>miles.* | Persons.   | Goods.        | Total                 |
|------------------|--|-----------------------------------|------------|---------------|-----------------------|
|                  |  |                                   |            | Centners.     | Receipts.<br>Thalers. |
| 1                | Altona-Kiel, . . . . .   | 14.10                             | 365,553    | 2,213,645     | 417,343               |
| 2                | Anhalt-Cöthen-Bernburg, . . . . .  | 2.30                              | 60,493     |               | 23,050                |
| 3                | Baden, . . . . .   | 35.30                             | 2,363,555  | 2,488,945     | 1,183,741             |
| 4                | Bavarian, . . . . .  | 32.25                             | 886,744    | 1,322,644     | 503,342.50            |
| 5                | Berlin-Anhalt, . . . . .   | 20.33                             | 330,154    | 1,415,613     | 741,114               |
| 6                | Berlin-Hamburg-Bergedorf, . . . . .  | 40.17                             | 617,144    |               | 1,023,430             |
| 7                | Berlin-Potadam-Magdeburg, . . . . .  | 19.50                             | 707,093    | 783,616       | 600,361               |
| 8                | Berlin-Stettin-Stargard, . . . . .   | 22.50                             | 370,189    | 1,762,473     | 634,434               |
| 9                | Bonn-Cologne, . . . . .  | 3.90                              | 634,375    |               | 134,713               |
| 10               | Brunswick, . . . . .   | 13.25                             | 585,306    |               | 340,337               |
| 11               | Breslau-Schweidnitz-Freiburg, . . . . .  | 8.75                              | 217,757    | 1,447,490     | 204,458               |
| 12               | Cologne-Minden, . . . . .  | 37.00                             | 1,065,735  |               | 576,888               |
| 13               | Düsseldorf-Elberfeld, . . . . .  | 3.50                              | 328,867    | 1,362,436     | 905,120               |
| 14               | Glückstadt-Elmsborn, . . . . .   | 2.25                              | 82,672     | 204,734       | 18,996                |
| 15               | Hanoverian, . . . . .  | 41.50                             | 608,137    | 2,323,518     | 640,864.50            |
| 16               | Emperor Ferdinand Northern, . . . . .  | 52.50                             | 702,692    | 3,585,199     | 2,014,334             |
| 17               | Leipsic-Dresden, . . . . .   | 15.50                             | 490,853    | 1,473,264     | 734,891               |
| 18               | Linz-Budweis, . . . . .  | 17.33                             | 16,771     | 774,255       | 237,845               |
| 19               | Linz-Gmunden, . . . . .  | 9.17                              | 154,204    | 959,552       | 194,520               |
| 20               | Magdeburg-Halberstadt, . . . . .   | 7.75                              | 288,336    | 1,328,677     | 230,634.50            |
| 21               | Magdeburg-Leipic, . . . . .  | 16.00                             | 767,209    | 2,794,936.50  | 949,310               |
| 22               | Maine-Neckar, . . . . .  | 12.00                             | 772,258    |               | 277,650               |
| 23               | Lower-Silesian-Mark (Märkische), . . . . .   | 51.40                             | 618,738    | 1,512,600     | 1,488,268             |
| 24               | Lower Silesian Branch Railroad, . . . . .  | 9.50                              | 95,960     |               | 75,583                |
| 25               | Nuremberg-Fürth, . . . . .   | .80                               | 489,337    |               | 30,380                |
| 26               | Upper Silesian, . . . . .  | 29.00                             | 403,806    | 1,736,061     | 609,600               |
| 27               | The Austrian Government Railroads, . . . . .   | 64.25                             | 806,476    | 4,343,243     | 1,748,052             |
| 28               | Rendsburg-Neumünster, . . . . .  | 4.50                              | 72,358     | 269,600       | 44,635                |
| 29               | The Rhenish Railroads, . . . . .   | 11.50                             | 514,580    | 6,027,311     | 825,290               |
| 30               | Saxon-Bavarian (from Leipsic to<br>Reichenbach), . . . . .                               | 14.10                             | 329,278    | 2,326,242     | 464,443               |
| 31               | Saxon-Silesian, . . . . .  | 14.00                             |            | 679,670       | 268,852               |
| 32               | Taunus, . . . . .  | 6.50                              | 740,519    | 288,130       | 265,420               |
| 33               | Thuringian (from Halle to Erfurt), . . . . .   | 21.50                             | 683,318    | 1,021,094     | 497,907               |
| 34               | Vienna-Gloggnitz (inclusive of Vienna-<br>Bruck), . . . . .                              | 16.00                             | 1,289,136  | 2,470,323     | 917,956               |
| 35               | William's Railroad (Cosel-Oderberg), . . . . .   | 7.00                              | 72,286     | 323,153       | 58,966                |
| 36               | Württemberg Government Railroad, . . . . .   | 5.00                              | 1,456,780  |               | 164,122               |
| 37               | Stargard-Posen (Stettin-Woldenburg),<br>since August 10th, last, . . . . .               | 10.00                             | 64,553     | 251,854       | 54,350                |
| 38               | Mecklenburg (from Hagenow to<br>Schwerin), . . . . .                                     | 11.00                             | 59,427     |               | 34,464                |
| 39               | Oedenburg-Neustadt (Vienna), since<br>August 20th, last, . . . . .                       | 5.00                              | 39,270     |               | 20,875                |
| 40               | Brieg-Neisse, since July 25th, last, . . . . .   | 5.50                              | 29,821     |               | 16,184                |
| 41               | Chemnitz-Riesa (from Riesa to Lim-<br>meritz), since August 30th, last, . . . . .        | 6.00                              | 25,512     |               | 10,350                |
| 42               | Prince William's Railroad, from the 1st<br>of December to the 31st, inclusive, . . . . . | 4.00                              | 9,415      |               | 7,565                 |
| 43               | Cracow-Upper-Silesian, since Novem-<br>ber 1st, last, . . . . .                          | 10.50                             | 9,242      |               | 12,215                |
| Total, . . . . . |  | 729.40                            | 20,235,971 | 47,490,298.50 | 19,502,843.50         |

It is to be remarked, that the transport of goods in 1847 on the following lines, viz. Berlin-Hamburg, Bonn-Cologne, Brunswick, Brieg-Neisse, Cologne-Minden, Maine-Neckar, and the Lower Silesian Branch Railroad, is not yet known; the others, where the column (for goods) is left blank, are passenger-lines.

In the first six months of the year 1847 twelve lines (about 67.75 German miles) were opened in all Germany. The total length of the German railroads in regular use for passengers and the transportation of goods was, up to the close of 1847, about 729 German miles, of which about one third are government lines, the others are in possession of railroad companies. The longest private lines are the Emperor Ferdinand Northern road, and the Lower-Silesian-Mark (Märkische), each about 52.40 German miles long. The total receipt of all the German railroads in 1847 was 19,502,843.50 thalers, about 6 millions of thalers more than in 1846.

\* A German mile is equal to 4.60 English.

## XXX. TITLES AND ABSTRACTS OF THE PUBLIC LAWS,

PASSED AT THE FIRST SESSION OF THE 30TH CONGRESS.

*Civil and Diplomatic Expenses.* For the year ending June 30, 1849.

|  |               |
|--|---------------|
| Congress, — pay of members, . . . . .  | \$ 388,440    |
| “ incidental expenses, . . . . .   | 232,313       |
| <i>Library of Congress</i> , — purchase of books for, . . . . .  | 6,000         |
| “ “ incidental expenses (including purchase<br>of the Hamilton and Jefferson papers,) . . . . .            | 57,300        |
| President and Vice-President of the United States, . . . . .   | 30,000        |
| Department of State, . . . . .   | 69,060        |
| Treasury Department, . . . . .   | 473,876       |
| War Department, . . . . .  | 175,042       |
| Navy Department, . . . . .   | 106,920       |
| Post-Office Department, . . . . .  | 180,810       |
| Surveyors and their Clerks, . . . . .  | 38,710        |
| United States Mint and Branches, . . . . .   | 145,444       |
| Judiciary, . . . . .   | 580,300       |
| Miscellaneous, . . . . .   | 945,017       |
| Light-house establishment, . . . . .   | 711,083       |
| Surveys of Public Lands, . . . . .   | 228,730       |
| Intercourse with Foreign Nations, . . . . .  | 587,375       |
|  | <hr/>         |
|  | 4,956,420     |
| Army appropriation bill, . . . . .   | 10,612,416    |
| Navy appropriation, . . . . .  | 9,878,137     |
| Military Academy, . . . . .  | 143,472       |
| Revolutionary and other pensioners, . . . . .  | 453,536       |
| Post-Office Department, . . . . .  | 4,451,700     |
| Erection of light-houses, . . . . .  | 184,600       |
| Expense of issuing United States stock, . . . . .  | 16,000        |
| Appropriation for the Indian Department, . . . . .   | 901,135       |
| For relief of sundry individuals, &c., . . . . .   | 98,161        |
| Fortifications, . . . . .  | 583,600       |
| Deficiencies in appropriations for the year ending June 30, 1848, . . . . .                                | 14,115,667    |
| Deficiency (in part) in the appropriation for subsistence in kind<br>of the army and volunteers, . . . . . | 1,000,000     |
| International exchange of Documents, Books, &c., . . . . .   | 2,000         |
| Government of Oregon, . . . . .  | 35,000        |
|  | <hr/>         |
| Total, . . . . .   | \$ 47,431,844 |

No. 1. *An Act making an appropriation to supply, in part, a deficiency in the appropriations for subsistence in kind of the army and volunteers during the year ending June 30th, 1848.* Jan. 4, 1848.

No. 2. *An Act to authorize the issuing of a register to the bark Canton.* Jan. 14, 1848.

No. 3. *An Act authorizing the Secretary of the Treasury to grant a register to the bark Sarah and Eliza.* Jan. 24, 1848.

No. 4. *An Act to amend an Act, entitled "An Act to reorganize the General Land-Office," approved July 4, 1836.* An assistant secretary, to sign patents, may be employed by direction of the President. Jan. 26, 1848.

No. 5. *An Act concerning certain collection districts, and for other purposes.* Cold Spring and Greenport, New York, are made ports of delivery. Jan. 26, 1848.

No. 6. *An Act to provide clothing for volunteers in the service of the United States.* In lieu of the money allowed in commutation. Jan. 26, 1848.

No. 7. *An Act exempting vessels employed by the American Colonization Society, in transporting colored emigrants from the United States to the coast of Africa, from the provisions of the Acts of the 22d February and 2d March, 1847, regulating the carriage of passengers in merchant-vessels.* Jan. 31, 1848.

No. 8. *An Act making further provisions for surviving widows of the soldiers of the Revolution.* On the death of any Revolutionary soldier included in the act of June 7, 1832, either past or future, his widow, if married to him before January 1, 1794, shall receive his pension, after March 4, 1848, according to the provisions of the act of July 7, 1838; but the pension ceases on her marriage. Widows drawing pensions under the act of July 7, 1838, or June 17, 1844, may have the benefit of this act. Feb. 2, 1848.

No. 9. *An Act to authorize the issue of a register to the bark Wilhamet.* Feb. 15, 1848.

No. 10. *An Act to confirm the boundary line between Missouri and Arkansas.* Feb. 15, 1848.

No. 11. *An Act supplementary to an Act, entitled "An Act to regulate the exercise of the appellate jurisdiction of the Supreme Court in certain cases, and for other purposes."* The provisions of the act of February 22, 1847, are extended to cases from the Supreme or Superior Court of the Territory of Iowa, and to those of territories hereafter admitted. Certain cases pending in the courts of Iowa before her admission are transferred to the District Court of the United States for Iowa. Feb. 22, 1848.

No. 12. *An Act to provide additional quarters, near to New Orleans, for United States soldiers and volunteers returned from, or going to, the seat of war in Mexico.* Feb. 22, 1848.

No. 13. *An Act to authorize the issuing of a register or enrolment to the schooner Robert Henry.* Feb. 22, 1848.

No. 14. *An Act authorizing persons, to whom reservations of land have been made under certain Indian treaties, to alienate the same in fee.* These treaties were made between the United States Commissioner and the chiefs of the Pottawatomie Indians, at Camp Tippecanoe, October 20, 1832. March 9, 1848.

No. 15. *An Act granting the franking privilege to Louisa Catharine Adams.* March 9, 1848.

No. 16. *An Act to amend an Act, entitled "An Act in amendment of the Acts respecting the judicial system of the United States."* In case of a vacancy in the office of the clerk of any Circuit Court of the United States in vacation, the judge of the District Court in the district may appoint a clerk, to hold office until the end of the next term of the Circuit Court, unless the office is sooner filled by an appointment according to existing laws. March 9, 1848.

No. 17. *An Act to make attachments which are made under process issuing from the courts of the United States conform to the laws regulating such attachments in the courts of the States.* When property is attached upon mesne process from any United States court, and when, according to the laws of a State, a like attachment would be dis-

solved in a State court, it shall be dissolved in the court of the United States, — "the intent and meaning of this act being to place such attachments in the courts of the States and the United States upon the same footing." Prior claims of the United States are not affected. March 14, 1848.

No. 18. *An Act concerning the courts of the United States, in and for the District of Michigan.* See ante, pp. 106, 109. March 14, 1848.

No. 19. *An Act for the relief of the heirs of John Paul Jones.* March 21, 1848.

No. 20. *An Act further to supply deficiencies in the appropriations for the service of the fiscal year ending the 30th of June, 1848.* March 27, 1848.

No. 21. *An Act to remit the duties on books, maps, and charts imported for the use of the Library of Congress.* March 29, 1848.

No. 22. *An Act to authorize a loan not to exceed the sum of sixteen millions of dollars.* The President may borrow, within one year, not more than \$16,000,000, paying not more than six per cent. interest per annum, quarterly or semiannually, — the loan to be reimbursable at any time after twenty years from July 1, 1848, and the money applied to defray public expenses. Certificates of stock shall be issued for amounts not less than \$50, transferable on the Treasury books, or, if required, by delivery, and with coupons of interest attached. No stock can be sold at less than par. \$16,000 is appropriated to meet the expenses of the act; but no salaried officer shall be paid for his services therein. The faith of the United States is pledged to the payment of principal and interest. The Secretary may buy in such an amount of the stock, at a price not above par, and before the limited period, as the government funds admit. The Secretary shall report at the next session the amount borrowed under this act, of whom, and on what terms obtained, with a detailed statement of the expense, and an abstract of all the proposals. March 31, 1848.

No. 23. *An Act to change the location of certain light-houses and buoys.* April 8, 1848.

No. 24. *An Act relating to the collection district of New Orleans, and for other purposes.* The city of Lafayette is included in the port of entry of New Orleans, and the office of surveyor for Lafayette is abolished. April 14, 1848.

No. 25. *An Act to authorize the issuing of a register to the brig Palmetto.* April 19, 1848.

No. 26. *An Act authorizing a term of the United States Circuit and District Courts at Chicago, Illinois.* See pp. 106, 109. May 9, 1848.

No. 27. *An Act in addition to an Act therein mentioned.* By act of March 2, 1827, a grant was made to the State of Indiana of "a quantity of land equal to one half of five sections wide, on each side of" the Wabash and Erie Canal, and by act of February 27, 1841, the grant was confirmed of such lands between the mouth of Tippecanoe River and Terre Haute, and license was given to the State to select other lands subject to private entry, for such part of said selection as was holden against the State by the legal encumbrance or title of others; which last selections have never been completed. Therefore, the State is authorized to select out of any of the public land in said State subject to private entry on April 1, 1848, a quantity of land, which, together with the land already received, will make the full amount equal to one half of five sections in width on each side of said canal. May 9, 1848.

No. 28. *An Act to make Ship Island, in the collection district of Pearl River, a port of delivery, and to authorize the appointment of a deputy collector for said port.* May 9, 1848.

No. 29. *An Act to provide for the ventilation of passenger-vessels, and for other purposes.*

§ 1. Vessels of whatever country, having sufficient capacity, according to law, for 50 or more passengers, (other than cabin passengers,) shall, when transporting such passengers between the United States and Europe, have on the upper deck, for their use, a house over the passage-way leading to their apartment below deck, firmly secured to the deck or combings of the hatch by two doors, with sills at least one foot above the deck, so constructed that one door or window may at all times be left open for ventilation; and all vessels carrying 150 such passengers, or more, shall have two such houses; and the stairs or ladder lead-

ing down to their apartment shall be furnished with a hand-rail of wood or strong rope. Booby-hatches may be substituted for such houses in vessels having three permanent decks.

§ 2. Every vessel having legal capacity for more than 100 passengers shall have two ventilators to the apartment occupied by them, one aft and the other forward, — one having an exhausting-cap, and the other a receiving-cap. If the apartment will legally receive 200 passengers, the ventilators shall be equal to a tube of 12 inches in the clear, (and in that proportion if it be larger or smaller,) and shall rise at least 4 feet 6 inches above the upper deck, and be of the most approved construction. But other equally efficient means of ventilation may be adopted.

§ 3. Every vessel carrying more than 50 such passengers shall have for their use on deck, housed and conveniently arranged, at least one caboose or cooking-range, equal to 4 feet long and 1 foot 6 inches wide for every 200 passengers, and in this ratio for a greater or less number. But nothing shall take away the right to make such arrangements for cooking between decks, if that shall be deemed desirable.

§ 4. All vessels shall have on board, for the use of such passengers at the time of leaving the last port, well secured under deck, for each passenger, at least 15 pounds of good navy-bread, 10 each of rice, oatmeal, wheat-flour, pease and beans, 35 of potatoes, 1 pint of vinegar, 60 gallons of fresh water, 10 pounds of salted pork, free of bone, all of good quality, and a sufficient supply of fuel for cooking; but at places where either good rice, oatmeal, wheat-flour, or pease and beans, cannot be procured on reasonable terms, the quantity of either or any of the other last-named articles may be increased and substituted therefor; and in case potatoes cannot be procured on reasonable terms, 1 pound of either of said articles may be substituted in lieu of 5 pounds of potatoes; and the captain shall deliver to each passenger at least one tenth part of the aforesaid provisions weekly, commencing on the day of sailing, and daily at least 3 quarts of water, and sufficient fuel for cooking; and if the passengers on board of any such vessel in which the provisions, fuel, and water shall not have been provided shall be put on short allowance during any voyage, the master or owner shall pay to each passenger \$3 for every day he may have been on short allowance, to be recovered in the Circuit or District Court of the United States. But nothing shall prevent any passenger, with the consent of the captain, from furnishing for himself the articles of food, and, if put on board in good order, it shall satisfy this act so far as regards food. And any passenger may, also, with the consent of the captain, furnish for himself an equivalent for the articles of food required in other articles; and if, without waste or neglect on the part of the passenger, or inevitable accident, they prove insufficient, and the captain shall furnish comfortable food to such passengers during the residue of the voyage, this in regard to food shall also be a compliance with this act.

§ 5. The captain is authorized to maintain good discipline, and habits of cleanliness among the passengers; and to that end, shall cause such regulations as he may adopt to be posted up before sailing, and cause the apartment occupied by such passengers to be kept in a clean, healthy state, and the owners are required to construct the decks and all parts of said apartment so that it can be thoroughly cleansed, and to provide a safe, convenient privy or water-closet for the exclusive use of every 100 such passengers; and when the weather is such that they cannot be mustered on deck with their bedding, the captain shall cause the deck occupied by them to be cleaned with some efficient disinfecting agent, and also at such other times as he may deem necessary.

§ 6. The master and owners of any vessel not provided with the house over the passageways, as prescribed, or with the ventilators, or with the cabooses or cooking-ranges, with the houses over them, shall severally forfeit and pay to the United States the sum of \$200 for every neglect, and \$50 for every neglect of the other provisions of this act, to be recovered by suit in any Circuit or District Court of the United States, within the jurisdiction of which the vessel may arrive, or from which it may be about to depart, or wherever the owners or captain may be found.

§ 7. The collector at any port at which any such vessel shall arrive, or from which it shall be about to depart, shall appoint one of the inspectors to examine such vessel, and to

report in writing whether the provisions of the 1st, 2d, 3d, and 5th sections of this act have been complied with; and if the report shall state such compliance, and be approved by the collector, it shall be deemed conclusive evidence thereof.

§ 8. The first section of the Act "to regulate the carriage of passengers in merchant-vessels," approved Feb. 22, 1847, is so amended, that, when the height or distance between the decks of the vessels shall be less than 6 feet, and not less than 5, there shall be allowed to each passenger 16 clear superficial feet on the deck, instead of 14, as prescribed in said section; and if the height or distance between the decks shall be less than 5 feet, there shall be allowed to each passenger 22 clear superficial feet on the deck; and if the master of any such vessel shall take on board his vessel, in any port of the United States, a greater number of passengers than is allowed by this section, with the intent specified in said first section of the act of 1847, or if he shall take on board, at a foreign port, and bring within the jurisdiction of the United States, a greater number of passengers than is allowed by this section, he shall be deemed guilty of a misdemeanour, and upon conviction shall be punished as provided for by the act aforesaid. All children under the age of one year at the time of embarkation shall be excluded from computation.

§ 9. This act takes effect, in respect to vessels sailing from ports in the United States, in 30 days from the time of its approval; and in respect to every vessel sailing from ports in Europe, in 60 days after such approval; and it is made the duty of the Secretary of State to give notice in the ports of Europe of this act.

§ 10. So much of the first section of the act regulating passenger ships and vessels, approved March 2, 1819, or any other act, as limits the number of passengers to 2 for every 5 tons, is repealed. May 17, 1848.

No. 30. *An Act to continue, alter, and amend the charter of the city of Washington.* May 17, 1848.

No. 31. *An Act in amendment of an Act, entitled "An Act to amend the Act, entitled 'An Act to reduce the rates of postage, to limit the use and correct the abuse of the franking privilege, and for the prevention of fraud on the revenues of the Post-Office Department,' " passed March 3, 1845.* The rates of commissions paid to postmasters by the first section of said act shall be paid on the amount of postage received in each quarter, and in proportion for any period less than a quarter, instead of being paid on the amount received for a year, as was by mistake provided. All postmasters whose commissions have been diminished by the old arrangement, may resettle their accounts, and be paid accordingly, and the Postmaster-General may employ additional clerks for this purpose. At post-offices where the mail arrives regularly between nine, P. M., and five, A. M., the commission on the first \$100 of each quarter may be increased by the Postmaster-General to a sum not exceeding 50 per cent. May 17, 1848.

No. 32. *An Act to require the holders of military land-warrants to compensate the land-officers of the United States for services in relation to the location of those warrants.* In carrying out the provisions of the 9th section of the act of Feb. 11, 1847, entitled "An Act to raise for a limited time an additional military force," &c., the registers and receivers may require 50 cents for every warrant for 160 acres, and 25 cents for warrants for 40 acres; but where the warrant is located "by and for the use of" the soldier, no compensation shall be charged. May 17, 1848.

No. 33. *An Act to authorize the issuing of a register to the brig Encarnacion.* May 17, 1848.

No. 34. *An Act to provide additional examiners in the Patent-Office, and for other purposes.* Two principal examiners, with a salary of \$2,000 each, and two assistant examiners, with a salary of \$1,500 each, are appointed. The power to extend patents (see act of July 4, 1836, § 18) is vested in the Commissioner of Patents, and he is to act on the report of the proper examiner. No patent is to be extended for more than seven years. Fees for recording assignments, &c., are regulated, the Patent-Office Reports made frankable, and two clerks added, at \$1,200 per annum. May 27, 1848.

No. 35. *An Act extending privileges to American vessels engaged in a certain men-*

*tioned trade, and for other purposes.* Any vessel duly registered may trade between two ports of the United States, touching at foreign ports, and discharging and receiving cargo, &c., thereat, on the way. It shall have manifests of the cargo, and on arrival in the United States from a foreign port, shall conform to the usual laws. Foreign goods shipped at one port in the United States for delivery at another, shall not be liable to duty on account of the vessel's having touched at an intermediate foreign port. May 27, 1848.

No. 36. *An Act explanatory of the Act, entitled "An Act to raise, for a limited time, an additional military force, and for other purposes," approved February 11th, 1847.* The term "relatives" in the above act includes brothers and sisters. The order of priority declared in the act to certain relatives shall continue, and those failing, the brothers and sisters shall share alike. Promotion, subsequent to the organization of the corps, does not forfeit the right to bounty. May 27, 1848.

No. 37. *An Act for the admission of the State of Wisconsin into the Union.* Wisconsin, having complied with the conditions of admission, is admitted accordingly, with the boundaries recited in the act of Aug. 6, 1846. Congress assents to the resolutions of the Convention numbered 1, 2, 4, 5, and the acts of Congress referred to in them are amended. Provisions are made for the protection of prior claimants of lands affected by said resolutions. From March 4, 1849, till the next apportionment, the State may send three representatives to Congress. May 29, 1848.

No. 38. *An Act to provide for the purchase of the manuscript papers of the late James Madison, former President of the United States.* \$25,000 is appropriated. May 31, 1848.

No. 39. *An Act making appropriations for the support of the Military Academy for the year ending the 30th of June, 1849.* See page 205. May 31, 1848.

No. 40. *An Act concerning Spanish steam-vessels.* The duties to be paid by such steamers shall not be higher than those paid by our steamers at any port in Cuba; and all higher duties paid since May 1, 1848, shall be refunded. This act shall continue in force till the Spanish government shall lay higher duties, or till otherwise provided by law. May 31, 1848.

No. 41. *An Act to refund money for expenses incurred, subsistence or transportation furnished, for the use of volunteers during the present war, before being mustered into the service of the United States.* The provisions of the joint resolution of March 3, 1847, are extended so as to embrace all expenses of "organizing, subsisting, and transporting volunteers," previously to their being mustered and received into service, by whomsoever incurred; and 6 per cent. interest shall be paid in addition, where the party has lost the interest on his advance, or is liable to pay it. Satisfactory proof of the propriety and amount of the expense, shall be laid before the Secretary of War. June 2, 1848.

No. 42. *An Act in explanation of an Act, entitled "An Act to appropriate the proceeds of the public lands, and to grant preemption rights."* Section 5 of the act so entitled, approved Sept. 4, 1841, shall be so construed as to suspend only such portions of the act as precede the 5th section. June 13, 1848.

No. 43. *An Act to amend the Act, entitled "An Act to appropriate the proceeds of the sales of the public lands, and to grant preemption rights," &c., approved September 4th, 1841.* Section 16 is so amended as to give the consent of Congress to the application of the two per cent. fund (relinquished by the act to the State of Mississippi, for the construction of a certain railroad) to construct another railroad from Jackson, *via* Brandon, to the eastern boundary of the State, near Selma, Cahawba, and Montgomery, Alabama. June 16, 1848.

No. 44. *An Act to attach a portion of the northwestern land district of Louisiana to the district north of Red River, Louisiana.* June 16, 1848.

No. 45. *An Act to prevent the importation of adulterated and spurious drugs and medicines.* All drugs, &c., including medicinal essential oils and chemical preparations, used wholly or in part in medicine, shall be examined at the custom-house, both as to identity and quality, and appraised. They shall bear the name and place of the manufacturer, otherwise they shall be forfeited. If they be found inferior in purity "to the standard estab-



lished by the United States, Edinburgh, London, French, and German pharmacopœias and dispensaries," and thereby improper and unsafe for medical purposes, a return to that effect shall be made on the invoice, and they shall be detained in the custom-house, unless upon "a reëxamination of a strictly analytical character," called for by the owner or consignee, the return shall be certified erroneous. This reëxamination must be at the expense of the importer, and conducted by "some competent analytical chemist possessing the confidence of the medical profession, as well as of the colleges of medicine and pharmacy," (if there be any such college in the State,) selected by the collector, who shall report under oath. If he negative the examiner's report, the goods shall be admitted; if he do not, they shall be destroyed at the end of six months, and the importer charged with the storage, &c., or they may be reëxported within that time, bonds being given not to land them within the United States. A sworn examiner shall be appointed by the Secretary of the Treasury, at New York, Boston, Philadelphia, Baltimore, Charleston, and New Orleans, with the salary of \$1,600 at New York, and \$1,000 at the other ports. The examiners shall, if possible, be taken from the present custom-house officers; otherwise, the number shall, as soon as possible, be reduced, so that this act occasion no increase. June 26, 1848.

No. 46. *An Act making appropriations for the payment of Revolutionary and other pensions of the United States for the year ending the 30th of June, 1849.* See page 205. June 26, 1848.

No. 47. *An Act to amend the Act, entitled "An Act for the regulation of seamen on board the public and private vessels of the United States," passed the 3d of March, 1813.* The last clause of the 12th section of the act amended, "without being at any time during the said five years out of the territory of the United States," is repealed. June 26, 1848.

No. 48. *An Act to regulate the exchange of certain documents and other publications of Congress.* The Library Committee of Congress may appoint agents to effect exchanges, &c., of books and documents, and all books sent through such agents to any department of the United States, or of a State, or to the National Institute, or to West Point, are free of duty. \$2,000 is appropriated for this purpose. June 26, 1848.

No. 49. *An Act giving further time for satisfying claims for bounty lands, and for other purposes.* Act of 2d Session, 29th Congress, ch. 69, approved July 27, 1842, and also two acts approved Jan. 27, 1836, and therein revived, are continued in force for five years from the passage of this act. June 26, 1848.

No. 50. *An Act to amend the Act to provide for the transportation of the mail between the United States and foreign countries, and for other purposes.* The Postmaster-General, by direction of the President, may lay the same rate of duty on all mailable matter leaving or reaching the United States in the vessels of any nation, as is laid on such matter when it reaches or leaves the ports of such nation in American ships. And power is given to the officers of the customs, &c., to open all parcels suspected of containing mailable matter, and to detain vessels until such parcels are delivered at the post-office. Open letters to the owners or consignees, touching the business of the vessel, are excepted; but all other letters, whether addressed to persons in or out of the United States, are included. A breach of these provisions, and the conveying of letters across the United States, received or to be transported in such vessel, is punishable by a fine not exceeding \$5,000. Contractors with the Postmaster-General under the act of March 3, 1845, or any other act by the provisions of which the United States may take the vessels at an appraised value, who refuse to name appraisers or to deliver the vessel, shall be liable to a penalty not exceeding \$100,000, or to imprisonment not exceeding one year. The Postmaster-General may impose fines, not exceeding half the contract price for the trip, for any delay. Contracts to transport the mail to foreign countries are not assignable, and any such transfers, unless accepted by the Postmaster-General or the Secretary of the Navy before the passage of this act, are void. June 27, 1848.

No. 51. *An Act to change the name of the steamboat "Charles Downing" to the "Calhoun."* June 28, 1848.

No. 52. *An Act to authorize the issuing of a register to the schooner James.* June 28, 1848.

No. 53. *An Act concerning the taking of official oaths in the District of Columbia.* All official oaths taken by officers of the United States may be administered and certified by any judge of the Circuit or Criminal Court of the District. June 28, 1848.

No. 54. *An Act respecting certain surveys in the State of Florida.* "The islands and keys and other lands in South Florida interspersed with water, which cannot conveniently be connected with the regular public surveys," and also the private claims in the State which have been confirmed, shall be surveyed. Before the islands are offered for sale, a board of engineers shall report whether any part should be reserved for the use of the United States. June 28, 1848.

No. 55. *An Act for the relief of the bond fide settlers under the Acts for the armed occupation and settlement of a part of the Territory of Florida.* If satisfactory proof be made to the Commissioner of the General Land-Office, that any person obtained a permit under the act of Aug. 4, 1842, and was an occupant under that act and the act of June 15, 1844, — and that he actually settled and did not abandon voluntarily, — such person shall be entitled to a grant and patent for the land so occupied and settled by him, if he have not received the land provided by the acts. When such lands are not subject to donation, he may locate his right on any vacant public lands in the same or any adjacent township. This act extends to the widow and heirs of any settler, according to section 5 of the above act. An agent shall forthwith proceed to Florida, to receive proofs, and make report to the Commissioner, who shall decide every claim within two months after the receipt of the report. Claims shall be barred, if not presented to the agent within four months after reasonable notice. July 1, 1848.

No. 56. *An Act supplemental to the Act passed on the 9th day of July in the year 1846, entitled "An Act to retrocede the county of Alexandria, in the District of Columbia, to the State of Virginia.* All causes removed, at the time of the retrocession, from the Circuit Court of the District of Columbia to the Supreme Court of the United States, by writ of error or appeal, shall be determined therein; and the judgment, decree, or mandate shall be issued to the court now having cognizance of similar suits by the laws of Virginia. Provision is made for the transfer of papers, in certain cases, from the Circuit Court for the county of Washington, to the proper court in Virginia. July 5, 1848.

No. 57. *An Act further to extend the time for locating Virginia military land-warrants, and returning surveys thereon to the General Land-Office.* The act of Aug. 19, 1841, as to all warrants issued prior to Aug. 10, 1840, is continued to Jan. 1, 1850. The same privilege is granted to holders of warrants issued since Aug. 10, 1840, on proof to the Secretary of the Treasury that the warrant was legally issued, and that he is justly entitled to it. July 5, 1848.

No. 58. *An Act giving the consent of the government of the United States to the State of Texas, to extend her eastern boundary so as to include within her limits one half of Sabine Pass, Sabine Lake, and Sabine River, as far north as the thirty-second degrees of north latitude.* July 5, 1848.

No. 59. *An Act to incorporate the Washington Gas-Light Company.* July 8, 1848.

No. 60. *An Act making appropriations for the service of the Post-Office Department, for the year ending the 30th of June, 1849.* See page 205. July 10, 1848.

No. 61. *An Act to extend the provisions of existing pension-laws to enlisted men of the ordnance corps of the United States army.* July 10, 1848.

No. 62. *An Act to reestablish the collection district of Brunswick, in the State of Georgia.* July 10, 1848.

No. 63. *An Act to extend an Act, entitled "An Act providing for the adjustment of all suspended preemption land claims in the several States and Territories," approved 3d August, 1846.* Continued to August 3, 1849. July 17, 1848.

No. 64. *An Act to amend an Act approved the 24th of May, 1824, entitled "An Act supplementary to an Act approved on the 3d day of March, 1819, entitled 'An Act providing for the correction of errors in making entries of land at the land-offices.'"* The clause providing that an application to correct an error of entry shall be made within six months after the date of the entry, is repealed. July 17, 1848.

No. 65. *An Act to amend an Act, entitled "An Act supplemental to an Act, entitled 'An Act providing for the prosecution of the existing war between the United States and the republic of Mexico,' and for other purposes.* The proviso of section 1, act of June 18, 1846, that, on the conclusion of the war with Mexico, the number of major-generals shall be reduced to one, and of brigadiers to two, and that the President may select those to be retained, is repealed; but no vacancy in the grade of general officer shall be filled until the number is so reduced. The provision requiring the discharge, at the close of the war, of the additional officers of certain grades, is repealed; but no vacancy under these provisions shall be filled until further authority be given. All the officers of the old army appointed to any of the additional regiments shall be restored to their former regiments or corps and rank, as additional officers of the respective grades to which they would have succeeded, and to which they shall now succeed, in virtue of their former commissions. *Provided,* That such officers shall be appointed by the President and Senate, and that the next vacancy happening in such grade of such regiment or corps to which they succeed shall not be filled. The officers, non-commissioned officers, musicians, and privates engaged in actual service in the war with Mexico, and who served out the term, or have been or may be honorably discharged, — and first, the widows, second, the children, third, the parents, and fourth, the brothers and sisters, of those who were killed in battle, or who died in service, or who, having been honorably discharged, have since died, or may hereafter die, without receiving the three months' pay herein provided for, — shall be entitled to receive three months' extra pay. July 19, 1848.

No. 66. *An Act making appropriations for certain fortifications of the United States, for the year ending the 30th of June, 1849.* See page 205. July 25, 1848.

No. 67. *An Act amending the Act, entitled "An Act granting half-pay to widows or orphans, where their husbands and fathers have died of wounds received in the military service of the United States," in cases of deceased officers and soldiers of the militia and volunteers, passed July 4th, 1836.* The provisions of section first of the act shall be applicable to all widows and orphans of officers, non-commissioned officers, musicians, and soldiers of the army of the United States, who were in the army on March 1, 1846, or at any subsequent period during the Mexican war. All widows and orphans of officers, &c., whether of the regular army or of volunteers, who have died since April 1, 1846, or who may die during the war with Mexico, from wounds or from disease contracted while in the line of duty, shall be entitled to the same rate of pension as is provided for in the first section of the before-mentioned act. *Provided,* said death occur while said persons were in service and in the line of duty, or returning to their usual place of residence in the United States, after having received a discharge upon a surgeon's certificate. *And provided further,* That this act shall not be applicable to the widows and orphans of such officers, &c., as have not served in Mexico, or at posts or stations on the borders of Mexico, except where they have died while on their march to join the army in Mexico. July 15, 1848.

No. 68. *An Act to authorize the sale of a part of public reservation numbered thirteen, in the city of Washington, and for other purposes.* This act provides for a burial-ground for members of Congress and the United States government. July 25, 1848.

No. 69. *An Act to make Bangor a port of entry for ships or vessels coming from and beyond the Cape of Good Hope.* July 25, 1848.

No. 70. *An Act to revive an Act authorizing certain soldiers in the late war [with Great Britain] to surrender the bounty lands drawn by them, and to locate others in lieu thereof.* Bounty lands in the State of Arkansas, unfit for cultivation, may be surrendered, and other lands selected, on proof, (1.) that they are unfit for cultivation, (2.) that they have not been disposed of or taken for debt, (3.) that the release and location be made within five years from the date of this act. July 25, 1848.

No. 71. *An Act to confirm the location, and to grant a quarter-section of public lands for the county site of Hillsborough county, State of Florida.* July 25, 1848.

No. 72. *An Act making appropriations for the current and contingent expenses of the Indian Department, and for fulfilling treaty stipulations with the various Indian tribes, for the year ending June 30th, 1849, and for other purposes.* July 29, 1848.

No. 73. *An Act for the payment of liquidated claims against Mexico.* Claims against Mexico liquidated under the convention of April 11, 1839, and Jan. 30, 1843, and for which Treasury certificates have been issued, shall be paid on the surrender of certificates, at some day, not more than 90 days after the passage of this act, to be appointed, and after which interest shall cease. July 29, 1848.

No. 74. *An Act for the relief of certain surviving widows of officers and soldiers of the Revolutionary army.* Widows of officers, soldiers, musicians, marines, or Indian spies, who served in any recognized capacity in the Revolutionary war, shall be entitled to a pension, commencing March 4, 1848, and continuing during widowhood, equal to what their husbands' pensions would be, if living; but no widow now receiving a pension shall take any thing by this act, nor any widow married after Jan. 1, 1800. These pensions cannot be transferred or attached. July 29, 1848.

No. 75. *An Act making appropriations for the naval service, for the year ending June 30, 1849.* See page 205. The Secretary of the Navy is directed to report the number of persons flogged in the naval service in 1846 and 1847, and for every year thereafter, giving the name of the ship, the offence, the sentence, and the number of lashes. Some other provisions relative to the navy are interpolated into this act.

No. 76. *An Act supplemental to an Act to confirm the survey and location of claims for lands in the State of Mississippi, east of the Pearl River and south of the thirty-first degree of north latitude, approved March 3, 1845.* Aug. 5, 1848.

No. 77. *An Act to authorize the issuing of a register to the bark Mary Teresa.* Aug. 7, 1848.

No. 78. *An Act to authorize the Secretary of the Treasury to license yachts, and for other purposes.* Yachts used solely as pleasure vessels, designed as models of naval architecture, and now entitled to be enrolled as American vessels, may be licensed to proceed from port to port in the United States without entering or clearing. But they may not carry passengers for pay, or merchandise, and the owner shall give bond not to engage in unlawful trade, nor to violate the revenue laws. The yachts shall use a signal prescribed by the Secretary of the Navy, and the models may be examined and copied by United States naval architects. Aug. 7, 1848.

No. 79. *An Act to change the place of holding the District Court of the United States for the Middle District of Alabama, and for other purposes.* See page 109. Aug. 7, 1848.

No. 80. *An Act to annex the town of Essex, in the State of Massachusetts, to the collection district of Gloucester.* Aug. 7, 1848.

No. 81. *An Act to annex that part of the State of Indiana bordering on Lake Michigan to the Chicago collection district.* Aug. 7, 1848.

No. 82. *An Act for the relief of certain Tennessee volunteers.* Aug. 7, 1848.

No. 83. *An Act for the relief of those preemption claimants upon the Miami lands in Indiana, who by their services in the Mexican war are entitled to bounty land.* Persons entitled to warrants for 160 acres of land, on account of services in the Mexican war, who have also preemption rights to Miami lands, under Act of Aug. 3, 1846, may apply their warrants at the rate of \$1.25 per acre, in payment for their Miami tract. But in no case shall the government refund any excess of the value of the warrant above that of the tract. Aug. 7, 1848.

No. 84. *An Act to carry into effect certain provisions in the treaties between the United States and China and the Ottoman Porte, giving certain judicial powers to ministers and consuls of the United States in those countries.* To give effect to the treaty of July 3, 1844, the Commissioner to China, and the consuls in the five ports, or the persons exercising their authority, have criminal jurisdiction, as in this act provided, over all citizens of the United States charged with offences committed in China, including Macao. The civil jurisdiction embraces all the cases provided for by the treaty, and these shall be tried, if of contract, at that one of the five ports where, or nearest which, the contract was made or was to be executed; and other cases shall be tried at that one of said ports at or nearest which the cause of action arose, or the damage was sustained. The United States statutes

shall be law, if applicable; if not applicable, the Common Law; and if defects still remain, the Commissioner shall make decrees with the force of law. The Commissioner, and as many of the five consuls as can be assembled, shall prescribe in writing the costs, fees, forms, rules of court, and every other needful regulation. If the consuls dissent, the Commissioner may still enforce the decree or rules till they are annulled by Congress; in any case, the rules, &c., with the opinions of the consuls, shall be immediately submitted to Congress. Every consul, upon facts known or believed by himself, or upon complaint or information, may, at his own port, issue a warrant of arrest against any United States citizen charged with an offence, — may arraign, try, and, upon conviction, sentence him, but always, except in capital cases, to fine or imprisonment, or both. In cases where the fine is within \$100 and the imprisonment less than 60 days, his decision (except as hereafter stated) is final. He may also try cases where the fine does not exceed \$500, or the imprisonment 90 days, subject to appeal to the Commissioner. Whenever he needs legal assistance, or wishes to inflict a severer penalty, he may summon not more than four (and in capital cases not fewer) citizens of the United States, competent and of good repute, to sit with him, and every one of them shall enter his judgment and opinion, but the consul shall decide. If they agree, the decision is final, except in capital cases; if not, the case shall be sent to the Commissioner. Every consul has *civil* jurisdiction within \$500, and his decisions, if he choose, are final. But if he wish assistance, or the case is above \$500, he may summon not less than two, nor more than three, United States citizens, and if they agree, the decision is final; if not, the associates shall enter their opinions, with their reasons, and an appeal to the Commissioner may be claimed. The evidence shall, in all cases, be taken down in court, and objections and rulings noted. The Commissioner may hear and finally determine all cases brought before him, both civil and criminal, and may prescribe the rules for granting new trials by himself or the consuls. Parties refusing to comply with the sentence may be committed. Murder, and rebellion with intent to subvert the Chinese government, are the only capital offences, and no one shall be convicted thereof unless the consul and his associates are unanimous, and the Commissioner approve the sentence. The criminal shall be executed upon the Commissioner's warrant, or he may be respited, or a pardon from the President applied for. Accounts shall be kept of the costs of court, and the fees (also to be accounted for) shall be applied thereto. The salary of the Commissioner and consuls is increased \$1,000 respectively. All criminal cases, "not of a heinous character," may be settled by the parties with the consent of the Commissioner or consul. Provision is made for settlement by referees. The Chinese authorities may be called upon to assist in carrying out these powers. This act, *mutatis mutandis*, is made applicable to Turkey, under the treaty of May 7, 1830. Aug. 11, 1848.

No. 85. *An Act for dividing the State of Georgia into two judicial districts, and organizing and establishing an additional District Court of the United States, with Circuit Court powers and jurisdiction.* See pp. 105, 109. Aug. 11, 1848.

No. 86. *An Act to authorize the State of Alabama to apply certain lands, heretofore granted to the State for internal improvements, for the use of schools in the valueless sixteenth sections in said State.* Aug. 11, 1848.

No. 87. *An Act to change the time of holding the Circuit and District Courts in the State of Kentucky.* See pp. 105, 109. Aug. 11, 1848.

No. 88. *An Act to change the time of holding the terms of the Circuit Court of the United States in the District of Maine.* See page 104. Aug. 11, 1848.

No. 89. *An Act renewing certain naval pensions, and extending the benefits of existing laws respecting naval pensions to engineers, firemen, and coal-heavers in the navy, and to their widows.* Such widows and children as now receive a pension under any laws prior to Aug. 1, 1841, (except the law passed March 3, 1837,) and those who have received pensions at any time within five years prior to this act, shall continue to receive the same amount as they have received under any special act from the time such act expired. *Provided*, Such act ceased on or after Sept. 1, 1845, or may hereafter terminate. And all pensions now in force, and such as are renewed by this act, shall be paid so long as the said

widows shall live as widows; and in case of death, to the orphan children until the age of sixteen, and in case of marriage by said widows, until said children shall arrive at the age of sixteen; and that the act approved April 30, 1844, shall not exclude officers, seamen, or marines from their pensions when disabled for sea-service. *Provided*, That the whole amount received, including pay for service and pension, shall not exceed his lowest duty pay. That the orphan children of the deceased parties shall have a pension in case the widow has died after drawing a five years' pension, to commence at the time when she dies, and to continue until the children reach sixteen, and that any casualty by which an officer, seaman, or marine loses his life, while in the line of his duty, shall be sufficient to entitle the widow and children to the benefits of this act. Engineers, firemen, and coal-heavers in the navy, and their widows, shall be entitled to pensions. *Provided*, That the pension of a chief-engineer shall be the same as that of a lieutenant in the navy; that of a first assistant engineer the same as that of a lieutenant of marines; the pension of a second or third assistant engineer the same as that of a forward officer; the pension of a fireman or coal-heaver the same as that of a seaman; and so with their widows. No engineer, fireman, or coal-heaver shall be entitled to any pension by reason of a disability incurred prior to Aug. 31, 1842, nor shall the widow be so entitled, by reason of the death of her husband prior to that date. The amount of pension, in every case, is not to exceed the half-pay of the deceased as it existed in January, 1835, or such rate of pension as is allowed by this act. Aug. 11, 1848.

No. 90. *An Act to surrender to the State of Indiana the Cumberland Road in said State.* Aug. 11, 1848.

No. 91. *An Act making appropriations for the civil and diplomatic expenses of government for the year ending the 30th of June, 1849.* See page 205. Aug. 12, 1848.

No. 92. *An Act for giving effect to certain treaty stipulations between this and foreign governments, for the apprehension and delivery up of certain offenders.* Whenever a treaty for extradition exists, any judge of the United States or of a State, and any authorized commissioner, upon complaint under oath, may issue a warrant for the arrest of an offender coming within the treaty provisions, and if, on a hearing, the charge is sustained, he shall commit the offender to await a requisition, and certify the fact and the testimony to the Secretary of State. At such hearings, copies of foreign depositions on which the original warrant was issued, certified by the person issuing the warrant, and sworn to as true copies by the party producing them, may be received in evidence. The Secretary of State may order the delivery of the offender to the authorized persons, and in case of escape he may be retaken like any other culprit. If he be not claimed within two months after he is committed, (allowing also time to convey him out of the country,) he may, after notice to the Secretary of State, apply to the judge, and, unless cause be shown, be discharged. Any court of the United States may appoint commissioners under this act. Aug. 12, 1848.

No. 93. *An Act concerning the pay department of the army.* A commission on sums disbursed, not exceeding  $\frac{1}{2}$  per cent. or \$1,000 per annum through the war, may be allowed by the Paymaster-General to paymasters of volunteers during the Mexican war. A paymaster's clerk may be allowed \$700 per annum. Aug. 12, 1848.

No. 94. *An Act in relation to the terms of the Circuit and District Courts of the United States in and for the District of New Jersey.* See pp. 105, 106. Aug. 12, 1848.

No. 95. *An Act making appropriations for the support of the army for the year ending the 30th of June, 1849.* See page 205. Aug. 14, 1838.

No. 96. *An Act supplementary to "An Act to authorize the Secretary of State to liquidate certain claims therein mentioned," passed 18th of April, 1814.* Aug. 14, 1848.

No. 97. *An Act to establish certain post routes.* Aug. 14, 1848.

No. 98. *An Act making appropriations for light-houses, light-boats, buoys, &c., and providing for the erection and establishment of the same.* See page 205. Aug. 14, 1818.

No. 99. *An Act to establish the Territorial government of Oregon.* Aug. 14, 1848.

No. 100. *An Act for the payment of the 4th regiment in the 2d brigade of the 3d division of the Vermont militia, for services at the battle of Plattsburg.* Aug. 14, 1848.

No. 101. *An Act for the relief of the widows and orphans of the officers, seamen, and marines of the brig-of-war Somers.* Twelve months' pay is given, (1.) to the widows, (2.) to the children, (3.) to the parents, (4.) to the brothers and sisters of less than 18 years of age at the time of the disaster. Aug. 14, 1848.

No. 102. *An Act in relation to military land-warrants.* Military bounty lands may be located on any public land subject to private entry, estimating the bounty land at \$1.25 per acre, and paying the balance in cash; but no balance shall be paid in cash by the United States. Aug. 14, 1848.

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### XXXI. PUBLIC RESOLUTIONS.

No. 1. *A Resolution authorizing the erection on the public grounds in the city of Washington of a monument to George Washington.* Jan. 31, 1848.

No. 2. *Joint Resolution expressive of the thanks of Congress to Major-General Winfield Scott and the troops under his command, for their distinguished gallantry and good conduct in the campaign of 1847.* March 9, 1848.

No. 3. *Joint Resolution relative to the evidence which shall be considered satisfactory in applications for bounty land.* In all applications for bounty land-warrants under the act approved February 11, 1847, the honorable discharge of the applicant, showing that the same was predicated on a surgeon's certificate of disability, shall be considered as satisfactory evidence that the disability was incurred in the course of service. March 24, 1848.

No. 4. *A Resolution tendering the congratulations of the American to the French people.* April 13, 1848.

No. 5. *Joint Resolution respecting contracts for hemp for the use of the American navy.* The Secretary of the Navy may, if in his opinion it will be advantageous to the public interest, make contracts, for any term not exceeding five years, for American water-rotted hemp for the navy, provided it can be had of equal quality with the best foreign hemp, and at the average price of such hemp for the last five years; the inspection and delivery to be at the place of purchase. May 9, 1848.

No. 6. *Joint Resolution of thanks to Major-General Taylor.* May 9, 1848.

No. 7. *Joint Resolution in relation to the transportation and discharge of the military forces of the United States at the close of the war with Mexico.* On the restoration of peace with Mexico, all the military forces which are to be discharged at the close of the war shall, under the direction of the President, proceed to such places in the United States as may be least expensive and most convenient to the troops, — and shall there be discharged; and until that time they shall be paid and treated as in service. June 16, 1848.

No. 8. *Joint Resolution providing for the payment of the regiment of Texas mounted troops called into the service of the United States, under the requisition of Colonel Curtis, in the year 1847, and for other purposes.* June 16, 1848.

No. 9. *A Resolution authorizing the presentation to the government of France of a series of the standard weights and measures of the United States, and for other purposes.* June 30, 1848.

No. 10. *A Joint Resolution relative to evidence in applications for pensions.* In cases where a pension has been granted to any officer or soldier of the Revolution in his lifetime, the evidence upon which it was granted shall be conclusive in the application of any widow; and upon proof by her that she was married to such officer or soldier prior to Jan. 1, 1794, and that she is a widow, she shall receive the same pension that he received during his life. July 1, 1848.

No. 11. *Joint Resolution disposing of two brass field-pieces captured at the battle of Bennington, in 1777.* Given to the State of Vermont. July 10, 1848.

No. 12. *Joint Resolution to change the location of a light-house on Lake Superior, in*

*the State of Michigan.* Some more convenient place may be substituted for Copper Harbour, if the Secretary of the Treasury see fit. July 10, 1848.

No. 13. *A Joint Resolution extending the time for the erection of certain light-houses.* Certain provisions of the act of March 3, 1795, section 16, are declared inapplicable to the act of March 3, 1847. July 25, 1848.

No. 14. *Joint Resolution relinquishing to the State of Missouri certain trophies of Doniphan's victorious expedition.* July 25, 1848.

No. 15. *A Resolution to sanction an agreement made between the Wyandotts and Delawares for the purchase of certain lands by the former of the latter tribe of Indians.* July 25, 1848.

No. 16. *A Resolution for the speedy payment of the three months' extra pay to the officers, non-commissioned officers, musicians, and privates who have served in the late war with Mexico, allowed by the act of July 19, 1848.* July 29, 1848.

No. 17. *Joint Resolution of thanks to the officers, sailors, and marines of the United States Navy.* Aug. 7, 1848.

No. 18. *Joint Resolution authorizing the Secretary of State to furnish the clerks of the several District and Circuit Courts of the United States with copies of Little & Brown's edition of the laws of the United States.* Aug. 7, 1848.

No. 19. *Joint Resolution concerning certain portions of the marine and ordnance corps.* They are allowed the same bounty-money or land as those of similar rank in the army; but must waive all claim to prize-money or other remuneration. Aug. 10, 1848.

No. 20. *A Resolution granting to the Jackson Monument Committee certain brass guns and mortars captured by General Andrew Jackson, and for other purposes.* Aug. 11, 1848.

No. 21. *A Resolution concerning the distribution of the Statutes at Large.* Aug. 11, 1848.

No. 22. *A Resolution authorizing the submission of certain claims to arbitration.* Aug. 11, 1848.

## XXXII. COMMERCE OF THE LAKES AND WESTERN RIVERS

[From a Report to Congress of J. J. Abert, Col. Corps Top. Engineers, January 12, 1848.]

### 1. Commerce of the Lakes.

By a report from the Bureau of Topographical Engineers, in November, 1843, it appeared that, in 1841, the moneyed value of the Lake commerce was, —

|  |               |
|--|---------------|
| Of exports,                              | \$ 32,342,541 |
| Of imports,                              | 33,483,441    |
| Floating value of Lake commerce in 1841, | \$ 65,825,982 |

The enrolled and licensed Lake tonnage for the year 1841 was 56,252 tons, and the number of mariners then employed, 3,750.

In 1846, the moneyed value of the commerce of some of the Lake harbours — that of the others being unknown — was as follows, to wit: —



|                               |            |                                   |                |
|-------------------------------|------------|-----------------------------------|----------------|
| Oswegatchie (district),       | \$ 180,555 | <i>Lake Erie.</i>                 |                |
| <i>Lake Champlain.</i>        |            | Buffalo (port),                   | 48,989,116     |
| Whitehall,                    | 6,327,489  | Conneaut (port),                  | 380,475        |
| Plattsburg (district),        | 1,160,844  | Ashtabula (port),                 | 715,467        |
| Burlington (district),        | 3,777,726  | Fairport (Grand River),           | 819,584        |
| <i>Lake Ontario.</i>          |            | Cleveland (port),                 | 12,559,110     |
| Sacket's Harbour (district),  | 2,735,091  | Sandusky (district),              | 5,943,127      |
| Dexter (port),                | 484,575    | Monroe (dist.), including Toledo, | 9,519,067      |
| Salmon River or Port Ontario, | 423,724    | Detroit,                          | 8,706,348      |
| Oswego,                       | 9,502,980  | Erie,                             | 6,373,246      |
| Big Sodus,                    | 39,206     | Black River (port),               | 215,040        |
| Rochester,                    | 212,696    | Vermillion (port),                | 137,770        |
| Pultneyville,                 | 20,432     | <i>Lake Michigan.</i>             |                |
| Niagara (district),           | 606,863    | Chicago,                          | 3,927,150      |
|                               |            | Total,                            | \$ 123,829,821 |

The above table gives the consolidated returns of both exports and imports. It is supposed that half the amount would not be an exaggerated statement of the net moneyed value of the Lake commerce. The amount for 1846 would then be \$ 61,914,910; and for 1841, by the same computation, \$ 32,912,991. This shows an annual average increase of 17.62 per cent., and that the Lake commerce has nearly doubled itself in five years.

The registered, enrolled, and licensed tonnage of the Lakes, by the official reports of the Treasury Department, was, for the year 1846, 106,836 tons; showing that in five years the tonnage of the Lakes was nearly doubled, and that during that period the annual average increase was 17.98 per cent.

The number of clearances and entries at ports on the Lakes in 1846 was 15,845, and the quantity of imports and exports was 3,861,088 tons. In 1841, the imports and exports amounted to 2,071,802 tons. This shows an annual average increase of 17.27 per cent., and also that the amount was nearly doubled in five years.

There were 3,861,088 tons of merchandise carried on the Lakes in 1846; and the American Lake tonnage, during the same year, was 106,836 tons. About 30,000 tons of British tonnage are supposed to be actively employed in the trade. There are, then, 136,836 tons of shipping employed in the transportation of 3,861,088 tons of merchandise, which will require each ton to make 28.21 trips the season. The total tonnage of the Lakes is estimated to be worth \$ 6,000,000; and the annual expenses for wages, wood, coal, repairs, &c. (exclusive of interest and insurance), are computed to amount to \$ 1,750,000.

The number of passengers on the Lakes, "in all directions," for the year 1846, is estimated to be not less than 250,000, and the average charge upon each passenger to be \$ 5.00; giving, for the value of the passenger trade of the Lakes, \$ 1,250,000. The number of mariners upon the Lakes in 1846 was, by returns of the Treasury Department, 6,972.

## 2. *Commerce of the Western Rivers.*

From official returns of the Treasury Department, it appears that the steamboat tonnage of the Western rivers in 1842 was 126,278 tons, and in 1846 was 249,055 tons. The value of this commerce in 1842 may be stated at \$50,566,903. In 1846, the official return is \$62,206,719; showing an increase in four years of \$11,639,816, or an annual average increase of 15½ per cent. This is the direct river commerce.

The value of the "way commerce" was stated by the Cincinnati memorial to be, in 1842, \$70,000,000; which in 1846, at an increase of 5½ per cent. per annum, would be \$86,100,000. The passenger trade of these rivers in 1846 is estimated at \$3,191,982. The total commerce, of all kinds, of the Western rivers may, then, be stated at (net value) \$151,498,701.

The total cost of all the river tonnage, including flat-boats, &c., in 1842, was \$10,522,240. In 1846, at 5½ per cent. increase, it would have been \$12,942,355. The yearly expense of sustaining this tonnage in 1842 is stated to be \$15,039,709 for steam, and \$1,380,000 for all other tonnage, making a total of \$16,419,709. This, at an annual increase of 5½ per cent., would give \$20,196,242 for the cost in 1846. In 1842, there were 20,418 persons employed on these boats, and in 1846, at the same rate of increase, there would be 25,114.

Colonel Abert considers the value of the trade of the Western rivers, as above stated, for 1846, too small; as the annual rate of increase is larger than 5½ per cent. He makes two other estimates; one of which gives the value for 1846, \$190,524,988, and the other, \$176,694,463. The mean of these two estimates, \$183,609,725, he assumes as the net value of the commerce of the Western rivers, i. e. the Mississippi and its direct and indirect tributaries, for the year 1846. The population depending upon these rivers, as a means of communication with a market, was in 1846 between six and seven millions, and that depending upon the Lakes in the same year was nearly three millions.

## 3. *Probable Extent of Steam Navigation on the Western Waters, including the Rivers, Bayous, &c., connected with the Mississippi by Channels navigable for Steamers.*

[This table is furnished by S. H. Long, Lieut.-Col. Corps Top. Engineers.]

### *Mississippi and its Branches, Bayous, &c.*

|                             | Miles. |                       | Miles. |
|-----------------------------|--------|-----------------------|--------|
| Mississippi proper, . . . . | 2,000  | Rock, . . . . .       | 250    |
| St. Croix, . . . . .        | 80     | Iowa, . . . . .       | 110    |
| St. Peter's, . . . . .      | 120    | Cedar, . . . . .      | 60     |
| Chippeway, . . . . .        | 70     | Des Moines, . . . . . | 250    |
| Black, . . . . .            | 60     | Illinois, . . . . .   | 245    |
| Wisconsin, . . . . .        | 180    | Maremecc, . . . . .   | 60     |

|                       | Miles. |                           | Miles. |
|-----------------------|--------|---------------------------|--------|
| Kaskaskia, . . . .    | 150    | Yalabusha, . . . .        | 130    |
| Big Muddy, . . . .    | 5      | Big Sunflower, . . . .    | 80     |
| Obion, . . . .        | 60     | Little Sunflower, . . . . | 70     |
| Forked Deer, . . . .  | 195    | Big Black, . . . .        | 150    |
| Big Hatchee, . . . .  | 75     | Bayou De Glaze, . . . .   | 90     |
| St. Francis, . . . .  | 300    | Bayou Care, . . . .       | 140    |
| White, . . . .        | 500    | Bayou Rouge, . . . .      | 40     |
| Big Black, . . . .    | 60     | Bayou La Fourche, . . . . | 60     |
| Spring, . . . .       | 50     | Bayou Plaquemine, . . . . | 12     |
| Arkansas, . . . .     | 600    | Bayou Teche, . . . .      | 96     |
| Canadian, . . . .     | 60     | Grand River, . . . .      | 12     |
| Neosho, . . . .       | 60     | Bayou Sorrele, . . . .    | 12     |
| Yazoo, . . . .        | 300    | Bayou Chien, . . . .      | 5      |
| Tallahatchie, . . . . | 300    |                           |        |

*Missouri and Branches.*

|                          |       |                 |     |
|--------------------------|-------|-----------------|-----|
| Missouri proper, . . . . | 1,800 | Kansas, . . . . | 150 |
| Yellowstone, . . . .     | 300   | Osage, . . . .  | 275 |
| Platte River, . . . .    | 40    | Grand, . . . .  | 90  |

*Ohio and Branches.*

|                      |       |                     |     |
|----------------------|-------|---------------------|-----|
| Ohio proper, . . . . | 1,000 | Kentucky, . . . .   | 62  |
| Alleghany, . . . .   | 200   | Salt River, . . . . | 35  |
| Monongahela, . . . . | 60    | Green, . . . .      | 150 |
| Muskingum, . . . .   | 70    | Barren, . . . .     | 30  |
| Kanawha, . . . .     | 65    | Wabash, . . . .     | 400 |
| Big Sandy, . . . .   | 50    | Cumberland, . . . . | 400 |
| Scioto, . . . .      | 50    | Tennessee, . . . .  | 720 |

*Red River and its Branches, Bayous, &c.*

|                            |       |                        |        |
|----------------------------|-------|------------------------|--------|
| Red River proper, . . . .  | 1,500 | Lake Bistenaw, . . . . | 60     |
| Washita, . . . .           | 375   | Lake Caddo, . . . .    | 75     |
| Saline, . . . .            | 100   | Sulphur Fork, . . . .  | 100    |
| Little Missouri, . . . .   | 50    | Little River, . . . .  | 65     |
| Bayou De Arboune, . . . .  | 60    | Kiamichi, . . . .      | 40     |
| Bayou Bartholomew, . . . . | 150   | Boggy, . . . .         | 40     |
| Bayou Bœuf, . . . .        | 150   | Bayou Pierre, . . . .  | 150    |
| Bayou Macon, . . . .       | 175   | Atchafalaya, . . . .   | 360    |
| Bayou Louis, . . . .       | 30    |                        |        |
| Tensas River, . . . .      | 150   |                        | 16,674 |

*4. Length of Lake Coast.*

The entire line of Lake coast extends about 5,000 miles, 2,000 of which are the coast of a foreign power. The following table gives the dimensions of the Lakes.

|   | Length. | Greatest Width. | Average Width. |
|---|---------|-----------------|----------------|
| Lake Champlain, . . . . .                           | 105     | 12              | 8              |
| " Ontario, . . . . .                                | 180     | 52              | 40             |
| " Erie, . . . . .                                   | 240     | 57              | 38             |
| " St. Clair, . . . . .                              | 18      | 25              | 12             |
| " Huron, (not including Bay of Georgian,) . . . . . | 270     | 105             | 70             |
| " Michigan, . . . . .                               | 340     | 83              | 58             |
| " Superior, . . . . .                               | 420     | 135             | 100            |
| Bay of Georgian, . . . . .                          | 120     |                 | 45             |

These Lakes may be considered as connected throughout their whole extent. Lake Champlain connects with Lake Ontario by means of the River Richelieu, the lock and dam navigation of St. Lawrence River, the Ottawa River, the Rideau Canal through Canada, and the Champlain and Erie Canals of New York. Lake Ontario is connected with Lake Erie by means of the Welland Canal through Canada, and by means of the Oswego and Erie Canals through the State of New York. Lake Erie is connected with Lake St. Clair by the deep and navigable Strait of Detroit, 25 miles long. Lake St. Clair is connected with Lake Huron by the deep and navigable Strait of St. Clair, 32 miles long. Lake Huron is connected with Lake Michigan by the deep and wide Strait of Mackinaw, and with Lake Superior by the Strait of St. Mary's, 46 miles long. This strait is navigable throughout, except for about one mile of its length, immediately adjacent to Lake Superior; where, from rocks and the extreme rapidity of the current, navigation ceases. These difficulties can, however, be easily surmounted by a canal of not more than a mile long, with locks to overcome a fall of about 21 feet. The only additional obstruction to this immense extent of inland navigation is in St. Clair Lake, on approaching the St. Clair Strait. This obstruction consists of an extensive bar, but not of great width, over which not more than seven feet water, in depressed conditions of the Lakes, can be counted upon. This shoal consists of an indurated marl, and there is but little doubt, that, if a channel were once dredged through, it would remain a durable improvement.

The tributaries of the Mississippi are connected with the Lakes by various continuous lines of canal or railroad. There are likewise, by canals and railroads, means of communication between the Lakes and the seaboard. The different lines of canals and railroads are given in detail by Colonel Abert, in his interesting and able report.

The amount expended for the improvement of Lake harbours and Western rivers from 1806, (when the first appropriation was made,) to the last appropriation of 1845, inclusive, is, —

|                                   |              |
|-----------------------------------|--------------|
| For the Lake harbours, . . . . .  | \$ 2,790,500 |
| For the Western rivers, . . . . . | 2,758,800    |
|                                   | <hr/>        |
|                                   | \$ 5,549,300 |

## XXXIII. POPULATION OF THE PRINCIPAL CITIES.

| Cities.       | 1790.  | 1800.  | 1810.  | 1820.   | 1830.   | 1840.    | 1845.   |
|---------------|--------|--------|--------|---------|---------|----------|---------|
| New York.     | 33,131 | 60,489 | 96,373 | 123,706 | 203,007 | 312,710  | 371,102 |
| Philadelphia. | 42,520 | 70,287 | 96,664 | 108,116 | 167,118 | 258,037* | ..      |
| Baltimore.    | 13,503 | 26,614 | 46,555 | 62,738  | 80,625  | 134,379* | ..      |
| New Orleans.  | ..     | ..     | 17,242 | 27,176  | 46,310  | 102,193  | ..      |
| Boston.       | 18,038 | 24,927 | 32,250 | 43,298  | 61,392  | 93,383   | 114,366 |
| Cincinnati.   | ..     | 750    | 2,540  | 9,644   | 24,831  | 46,338   | ..      |
| Brooklyn.     | ..     | 3,298  | 4,402  | 7,175   | 12,042  | 36,233   | 59,566  |
| Albany.       | 3,498  | 5,349  | 9,356  | 12,630  | 24,238  | 33,721   | 41,139  |
| Charleston.   | 16,359 | 18,712 | 24,711 | 24,480  | 30,289  | 29,261   | ..      |
| Washington.   | ..     | 3,210  | 8,208  | 13,247  | 18,827  | 23,364   | ..      |
| Providence.   | ..     | 7,614  | 10,071 | 11,767  | 16,832  | 23,171   | ..      |
| Louisville.   | ..     | ..     | 1,357  | 4,012   | 10,352  | 21,210   | ..      |
| Pittsburg.    | ..     | 1,565  | 4,768  | 7,248   | 12,542  | 21,115   | ..      |
| Lowell.       | ..     | ..     | ..     | ..      | 6,474   | 20,796   | 28,841  |
| Rochester.    | ..     | ..     | ..     | 1,502   | 9,269   | 20,191   | 25,265  |
| Richmond.     | ..     | 5,537  | 9,735  | 12,046  | 16,060  | 20,153   | ..      |
| Troy.         | ..     | ..     | 3,885  | 5,264   | 11,401  | 19,334   | 21,709  |
| Buffalo.      | ..     | ..     | 1,508  | 2,095   | 8,653   | 18,213   | 29,773  |
| Newark.       | ..     | ..     | ..     | 6,507   | 10,953  | 17,290   | 25,433  |
| St. Louis.    | ..     | ..     | ..     | 4,598   | 5,852   | 16,469   | 34,140  |
| Portland.     | ..     | 3,677  | 7,169  | 8,581   | 12,601  | 15,218   | 19,013† |
| Salem.        | 7,921  | 9,457  | 12,613 | 12,721  | 13,886  | 15,082   | ..      |

\* Including the county.

† In 1848.

## XXXIV. TABLE OF SOME OF THE PRINCIPAL CITIES IN THE UNITED STATES. JULY, 1848.

[The following table has been compiled from statistics furnished, in most cases, by the mayors of the respective cities. The editor of the Almanac takes this opportunity to present his thanks to these gentlemen for their kindness; and hopes in the next volume to give similar information concerning a larger number of cities.]

| Cities.           | Date of incorporation. | Mayors.          | Term of Office. | Population. | Votes at a recent election. | Children from 5 to 16. | Children in common schools. | Debt.      |
|-------------------|------------------------|------------------|-----------------|-------------|-----------------------------|------------------------|-----------------------------|------------|
| Boston, Mass.     | 1822                   | J. Quincy, Jr.,  | Yrs.            | 114,366     | 13,353                      | ..                     | 8,524                       | 1,323,550  |
| Salem, "          | 1836                   | J. S. Cabot,     | 1               | 16,762      | 2,274                       | ..                     | 2,548                       | 73,175     |
| Providence, R. I. | 1832                   | T. M. Burgess,   | 1               | 31,753      | 3,974                       | 8,644                  | 6,177                       | 185,304    |
| Albany, N. Y.     | 1686                   | John Taylor,     | 1               | 50,200      | 8,300                       | 10,000                 | \$3,127                     | 877,896    |
| New York, N. Y.   | 1653                   | W. F. Havemeyer, | 1               | 371,223     | 43,496*                     | ..                     | ..                          | 12,211,876 |
| Rochester, "      | 1834                   | Jos. Field,      | 1               | 25,255      | ..                          | 6,796                  | 5,964                       | 117,000    |
| Washington, D.C.  | 1802                   | W. W. Seaton,    | 2               | 33,000      | ..                          | ..                     | ..                          | 830,000    |
| Savannah, Ga.     | 1789                   | H. K. Burroughs, | 1               | 13,573      | ..                          | 11,304                 | 870                         | ..         |
| New Orleans, La.  | 1805                   | A. D. Crossman,  | 2               | 135,000     | 8,071                       | ..                     | ..                          | ..         |
| Nashville, Tenn.  | 1786                   | Alex. Allison,   | 1               | 16,000      | ..                          | ..                     | ..                          | 100,000    |
| St. Louis, Mo.    | 1823                   | John M. Krum,    | 1               | 62,000      | ..                          | ..                     | ..                          | 1,036,121  |
| Detroit, Mich.    | 1802                   | F. Buhl,         | 1               | 18,000      | 2,243                       | 5,065                  | ..                          | 280,000    |

\* The number qualified in 1845 was 63,927.

† May 5th, 1848.

‡ This includes the white children between the ages of 5 and 14.

§ Average attendance.

| Cities.           | Receipts<br>last<br>Year.<br>\$ | Expenses<br>last<br>Year.<br>\$ | Taxable<br>Real<br>Estate.<br>\$ | Taxable<br>Personal<br>Estate.<br>\$ | Percentage<br>of Tax. | Marriages<br>last Year. | Deaths<br>last Year. | Births<br>last Year. | Paupers. |
|-------------------|---------------------------------|---------------------------------|----------------------------------|--------------------------------------|-----------------------|-------------------------|----------------------|----------------------|----------|
| Boston, Mass.     | 3,561,973                       | 3,351,709                       | 97,764,500                       | 64,595,900                           | .60                   |                         |                      |                      | 4,890    |
| Salem, "          | 115,183                         | 114,868                         | 4,091,750                        | 5,992,250                            | .58                   | 155                     | 343                  | †297                 | 152      |
| Providence, R. I. | 128,734                         | 120,596                         | 16,637,700                       | 11,878,300                           | .45                   |                         | 884                  |                      |          |
| Albany, N. Y.     | 160,137                         | 210,379                         | 8,250,000                        | 3,250,000                            | 1.33                  | 331                     | 795                  | 1,521                | 700      |
| New York, N. Y.   | 5,392,674                       | 5,557,213                       | 187,315,386                      | 59,837,917                           | 1.11                  |                         | 15,788               |                      | 5,549    |
| Rochester, "      | 45,537                          | *45,537                         | 3,671,322                        | 980,356                              | 1.33                  |                         | 772                  |                      |          |
| Washington, D.C.  | 130,000                         |                                 | 12,000,000                       |                                      | .75                   |                         | †399                 |                      |          |
| Savannah, Ga.     |                                 |                                 | 3,600,000                        |                                      |                       |                         | 210                  |                      |          |
| New Orleans, La.  | 1,244,339                       |                                 | 80,000,000                       |                                      | ‡ to 1                |                         | 8,173                |                      |          |
| Nashville, Tenn.  | 55,000                          | 25,000                          | 4,180,000                        | 1,395,535                            | .60                   |                         | 400                  |                      |          |
| St. Louis, Mo.    | 292,359                         | 292,356                         | 25,650,000                       |                                      | 1.05                  |                         |                      |                      |          |
| Detroit, Mich.    | 41,842                          | 41,870                          | 2,487,161                        |                                      | 2.05                  |                         |                      |                      |          |

In Boston, New York, Albany, and New Orleans, the number of paupers and of deaths the last year was materially increased by European immigrants. In New Orleans the number of deaths was also increased by the passage of unacclimated persons through that city to Mexico.

*Albany* has 6 breweries and 50 malting-kilns.

*Washington* lays no tax on the real estate of the United States government therein, valued at \$7,622,879.

The number of names on the list of voters at *Salem* is 2,850.

The percentage of tax affords little information concerning the rate of taxation, as the valuation of property varies in the different cities. In *Boston* real estate is taxed at its actual value; in *Detroit*, at about one half its value.

The number of paupers given for *Boston* is the total relieved during the year. The average number supported in the almshouse was 661.

*St. Louis* was settled in 1764, and incorporated as a town in 1810.

In *Boston*, in 1845, the number of children under 16 years of age was 37,268.

The terms of office of the mayors of the several cities commence as follows: — *Boston*, 1st Monday of January; *Salem*, 4th Monday of March; *Detroit*, 1st Monday of March; *Providence*, 1st Monday of June; *Albany*, April; *New York*, 2d Tuesday of May; *New Orleans*, 2d Monday of May; *St. Louis*, April; *Savannah*, 1st Monday of December.

\* \$ 13,731 is to be added to this sum for the local tax for improvement of streets.

† Probably not entirely accurate.

‡ In 1846.

# INDIVIDUAL STATES.

## I. MAINE.

### GOVERNMENT

*For the Year ending on the second Wednesday in June, 1849.*

|                                     |                |                             | Salary.  |
|-------------------------------------|----------------|-----------------------------|----------|
| JOHN W. DANA,                       | of Fryeburg,   | Governor (term expires on   |          |
| the second Wednesday in May, 1849), |                |                             | \$ 1,500 |
| Ezra B. French,                     | of Nobleboro', | Secretary of State,         | 900      |
| Moses M'Donald,                     | of Limerick,   | Treasurer,                  | 900      |
| Alfred Redington,                   | of Augusta,    | Adjutant-General,           | 700      |
| William G. Crosby,                  | of Belfast,    | Sec. of Board of Education, | 1,000    |
| Samuel Cony,                        | of Oldtown,    | Land Agent,                 | 1,000    |
| Benjamin Carr,                      | of Palermo,    | Warden of State Prison,     | 700      |
| James Bates,                        | of Augusta,    | Sup't of Insane Hospital,   | 800      |
| Nicholas Emery,                     | of Portland,   | } Bank Commissioners.       |          |
| Alpheus Lyon,                       | of Waterville, |                             |          |
| Hugh D. M'Lellan,                   | of Gorham,     | Speaker of the House.       |          |
| Samuel Belcher,                     | of Farmington, | Clerk of the House.         |          |
| Caleb R. Ayer,                      | of Cornish,    | President of the Senate.    |          |
| Daniel T. Pike,                     | of Augusta,    | Secretary of the Senate.    |          |

|                    |                    |                |  |
|--------------------|--------------------|----------------|--|
| Elias M. Carter,   | of Bethel,         | } Councillors. |  |
| Randall Skillin,   | of Cape Elizabeth, |                |  |
| Manasseh H. Smith, | of Warren,         |                |  |
| Robert Hunter,     | of Pittsfield,     |                |  |
| Samuel Palmer,     | of Dover,          |                |  |
| Sewall Cram,       | of Wilton,         |                |  |
| Bradbury Collins,  | of Harrington,     |                |  |

### JUDICIARY.

#### *Supreme Judicial Court.*

|                  |                  |                   |          |
|------------------|------------------|-------------------|----------|
| Ezekiel Whitman, | of Portland,     | Chief Justice,    | \$ 1,800 |
| Ether Shepley,   | of Portland,     | Justice,          | 1,800    |
| John S. Tenney,  | of Norridgewock, | "                 | 1,800    |
| Samuel Wells,    | of Portland,     | "                 | 1,800    |
| Samuel H. Blake, | of Bangor,       | Attorney-General, | 1,000    |
| John Shepley,    | of Saco,         | Reporter,         | 1,000    |

*District Courts.*

|                     |             |                   |        | Salary.  |
|---------------------|-------------|-------------------|--------|----------|
| Daniel Goodenow,    | of Alfred,  | Western District, | Judge, | \$ 1,200 |
| Richard D. Rice,    | of Augusta, | Middle " "        | " "    | 1,200    |
| Frederick H. Allen, | of Bangor,  | Eastern " "       | " "    | 1,200    |

*Municipal and Police Courts.*

|                   |              |        |        |
|-------------------|--------------|--------|--------|
| Luther Fitch,     | of Portland, | Judge, | \$ 700 |
| Jacob Smith,      | of Bath,     | "      | Fees.  |
| Spencer A. Pratt, | of Bangor,   | "      | 500    |

*Probate Courts.*

| Counties.    | Judges.             | Residence.   | Sal-<br>ary. | Registers.        | Residence. | Sal-<br>ary. |
|--------------|---------------------|--------------|--------------|-------------------|------------|--------------|
| York,        | Wm. C. Allen,       | Alfred,      | \$ 300       | Wm. Hammond,      | Eliot,     | \$ 625       |
| Cumberland,  | Josiah Peirce,      | Gorham,      | 500          | Chris. T. Tobie,  | Westbrook, | 900          |
| Lincoln,     | Nathaniel Groton,   | Bath,        | 350          | Arnold Blaney,    | Bristol,   | 500          |
| Hancock,     | Samuel M. Pond,     | Bucksport,   | 290          | J. D. Richards,   | Ellsworth, | 300          |
| Washington,  | J. C. Talbot,       | E. Machias,  | 300          | Albert G. Lane,   | Machias,   | 400          |
| Kennebec,    | Daniel Williams,    | Augusta,     | 300          | Fran. Davis, Jr., | Augusta,   | 550          |
| Oxford,      | Lyman Rawson,       | Rumford,     | 200          | Geo. F. Emery,    | Paris,     | 350          |
| Somerset,    | Charles Greene,     | Athens,      | 150          | Thos. C. Jones,   | Norr'wock, | 300          |
| Penobscot,   | Sylvanus G. Rawson, | Bangor,      | 275          | John Williams,    | Bangor,    | 550          |
| Waldo,       | Joseph Miller,      | Lincolnton,  | 150          | Charles Palmer,   | Belfast,   | 300          |
| Franklin,    | Moses Sherburne,    | Phillips,    | 200          | Sewall Cram,      | N. Sharon, | 150          |
| Piscataquis, | Ephraim Packard,    | Blanchard,   | 75           | Eben S. Greely,   | Dover,     | 125          |
| Arroostook,  | S. G. Tuck,         | Haynesville, | 160          | Theodore Cary,    | Houlton,   | 160          |

## FINANCES.

[Extracted from the Report of the State Treasurer.]

|   |               |
|---|---------------|
| Amount of receipts from May 1, 1847, to April 29, 1848,     | \$ 467,757.37 |
| Balance of cash in the Treasury, May 1, 1847,               | 92,928.14     |
|   | 560,685.51    |
| Amount of expenditures from May 1, 1847, to April 29, 1848, | 434,205.26    |
| Balance of cash in the Treasury, April 29, 1848,            | 126,478.25    |
|   | 560,683.51    |

*Principal Items of Expenditure.*

|                                    |              |                                 |               |
|------------------------------------|--------------|---------------------------------|---------------|
| Pay of the Legislature,            | \$ 35,676.00 | County taxes,                   | \$ 27,383.23  |
| Expenses of the Executive,         | 6,845.77     | Furniture and repairs,          | 1,000.00      |
| Salaries,                          | 23,602.65    | Contingent fund of Treasurer,   | 1,000.00      |
| Clerks,                            | 2,425.00     | Public debt paid,               | 134,500.00    |
| Roll of accounts,                  | 6,072.95     | Interest paid on public debt,   | 72,582.84     |
| Printing, binding, and stationery, | 4,503.00     | Temporary loan,                 | 27,450.00     |
| Costs in criminal prosecutions,    | 13,598.96    |                                 |               |
| Officers of State prison,          | 4,500.00     | <i>Chief Sources of Income.</i> |               |
| Insane Hospital,                   | 14,400.00    | Direct taxes,                   | \$ 164,883.86 |
| Deaf, dumb, and blind,             | 3,060.00     | Land-office,                    | 81,749.74     |
| School fund, No. 14,               | 24,824.13    | Permanent school fund,          | 20,921.93     |
| Teachers' Institute,               | 2,205.22     | School fund, No. 15,            | 24,850.56     |
| Board of Education,                | 560.00       | County taxes,                   | 17,647.83     |
| Penobscot Indians fund,            | 3,718.80     | Interest on U. S. loan,         | 9,863.00      |
| Indian annuities,                  | 1,500.00     | Interest on deposits,           | 418.67        |
| State roads,                       | 1,500.00     | Bank dividends,                 | 500.00        |
| Militia pensions,                  | 1,876.00     | Duties on commissions,          | 1,791.00      |
| Maine Reports,                     | 1,000.00     | Notes receivable,               | 2,500.00      |
|                                    |              | Temporary loan,                 | 137,250.00    |



|   |                 |
|---|-----------------|
| The resources of the State are estimated at . . . . .   | \$ 648,265.03   |
| Among which are enumerated, besides cash on hand and proceeds of annual taxes, U. S. six per cent. stock due 1856, interest semiannually, . . . . . | 150,000.00      |
| 100 shares in the Augusta Bank, . . . . .   | 10,000.00       |
| Also claims against United States for raising volunteers, and balance of other claims against the United States, . . . . .                          | 6,548.49        |
| Whole amount of public debt, . . . . .  | \$ 1,008,200.00 |
| Interest on this debt, about . . . . .  | 66,000.00       |
| Temporary loan from the banks, . . . . .  | 109,800.00      |

By an amendment of the constitution, Representatives to the General Court and to Congress are elected by a plurality of votes. As formerly, a majority is still required to elect the Governor and Senators.

## II. NEW HAMPSHIRE.

### GOVERNMENT

*For the Year ending on the first Wednesday of June, 1849.*

|                                  |                              |                     |
|----------------------------------|------------------------------|---------------------|
| JARED W. WILLIAMS, of Lancaster, | <i>Governor,</i>             | Salary.<br>\$ 1,000 |
| Thomas P. Treadwell, of Concord, | <i>Secretary of State,</i>   | 800                 |
| William C. Prescott, of Concord, | <i>Deputy Sec. of State,</i> | Fees.               |
| John Atwood, of Concord,         | <i>Treasurer,</i>            | 600                 |
| John S. Wells, of Exeter,        | <i>Attorney-General,</i>     | 1,200               |
| John Wadleigh, of Meredith,      | <i>Adjutant-General,</i>     | 400                 |
| Richard S. Rust, of Hanover,     | <i>School Commissioner,</i>  | 600                 |
| Harry Hibbard, of Bath,          | <i>Pres. of the Senate,</i>  | \$ 2.50 per day.    |
| Samuel H. Ayer, of Hillsborough, | <i>Speaker of the House,</i> | \$ 2.50 per day.    |
| John H. George, of Concord,      | <i>Clerk of the Senate,</i>  | Fees.               |
| Lewis Smith, of Fisherville,     | <i>Clerk of the House,</i>   | Fees.               |
| Butterfield & Hill, of Concord,  | <i>State Printers.</i>       |                     |
| John Clark,                      | <i>Commissary-General.</i>   |                     |

### *Executive Council.*

|               | Counties.                                  | Councillors.                  |
|---------------|--|-------------------------------|
| 1st District, | { Rockingham and part<br>of Merrimack, }   | Joseph Clough, of Canterbury. |
| 2d "          | { Strafford, Belknap, and<br>Carroll, }    | Zebulon Pease, of Freedom.    |
| 3d "          | { Hillsborough and part<br>of Merrimack, } | Mace Moulton, of Manchester.  |
| 4th "         | Cheshire and Sullivan,                     | Jared Perkins, of Unity.      |
| 5th "         | Grafton and Coos,                          | Isaac Ross, of Hanover.       |

### JUDICIARY.

The Superior Court of Judicature consists of a chief justice and two associate justices, who hold one term annually in each of the ten counties of the State, for the hearing and determining of questions of law and petitions for divorce. This court is also vested with chancery powers.

The judges of the Superior Court of Judicature are, *ex officio*, judges of

the Court of Common Pleas. This court, before whom all actions for the recovery of debts and the enforcement of contracts, and all jury trials, are brought, consists of one of the justices of the Superior Court, or one of the justices of the Circuit Court of Common Pleas, and of two county judges, who are generally appointed from among the yeomanry, whose principal duty it is to attend to the ordinary business of the county, its roads, expenses, &c. Terms are held semiannually, in each of the counties.

*Superior Court.*

|                    |  | Appointed. | Salary. |
|--------------------|--|------------|---------|
| John J. Gilchrist, | of Charlestown, <i>Chief Justice</i> , | 1848       | \$1,400 |
| Andrew S. Woods,   | of Bath, <i>Associate Justice</i> ,    | 1840       | 1,200   |
| Leonard Wilcox,    | of Orford, "                           | 1848       | 1,200   |

*Circuit Court.*

|                 |                |      |         |
|-----------------|----------------|------|---------|
| Ira A. Eastman, | of Gilmanton,  | 1843 | \$1,200 |
| Samuel D. Bell, | of Manchester, | 1848 | 1,200   |

*Judges of the Court of Common Pleas.*

| Counties.     | Justices.             | Residence.    | Salary.  |
|---------------|-----------------------|---------------|--|
| Rockingham,   | Bradbury Bartlett,    | Nottingham,   | \$3 per day during attendance at court, and<br>10 cents per mile for travel. |
|               | James Pickering,      | Newington,    |  |
| Strafford,    | George L. Whitehouse, | Farmington,   |  |
|               | Hiram R. Roberts,     | Somersworth,  |  |
| Belknap,      | Thomas Cogswell,      | Gilmanton,    |  |
|               | Henry Y. Simpson,     | New Hampton,  |  |
| Carroll,      | Thomas Rust,          | Wolfeborough, |  |
|               | Thomas P. Drake,      | Effingham,    |  |
| Merrimack,    | Benjamin Wadleigh,    | Sutton,       |  |
|               | Jacob A. Potter,      | Concord,      |  |
| Hillsborough, | Jacob Whittemore,     | Antrim,       |  |
|               | Jesse Carr,           | Goffstown,    |  |
| Cheshire,     | Horace Chapin,        | Winchester,   |  |
|               | Nathan G. Babbitt,    | Westmoreland, |  |
| Sullivan,     | Ambrose Cossit,       | Claremont,    |  |
|               | Eleazer Jackson,      | Cornish,      |  |
| Grafton,      | David C. Churchill,   | Lyme,         |  |
|               | Nathaniel S. Berry,   | Hebron,       |  |
| Coos,         | Joshua Marshall,      | Stratford,    |  |
|               | Richard Eastman,      | Lancaster,    |  |

*Courts of Probate.*

| Counties.     | Judges.            | Salary. | Registers.            | Salary. |
|---------------|--------------------|---------|-----------------------|---------|
| Rockingham,   | John Sullivan,     | \$334   | James H. Shapley,     | \$462   |
| Strafford,    | Chas. W. Woodman,  | 167     | Enoch Berry,          | 233     |
| Belknap,      | Warren Lovell,     | 142     | Jeremiah Elkins,      | 183     |
| Carroll,      | Jonathan T. Chase, | 142     | Obed Hall,            | 183     |
| Merrimack,    | Horace Chase,      | 245     | Calvin Ainsworth,     | 345     |
| Hillsborough, | Luke Woodbury,     | 276     | Lemuel N. Pattee,     | 383     |
| Cheshire,     | Larkin Baker,      | 225     | Geo. F. Starkweather, | 300     |
| Sullivan,     | John L. Putnam,    | 175     | Ralph Metcalf,        | 225     |
| Grafton,      | Walter Blair,      | 275     | Samuel Swasey,        | 380     |
| Coos,         | Benjamin Hunkin,   | 100     | George A. Cossit,     | 125     |

## FINANCES.

[From Treasurer's Report, June 7, 1848.]

| <i>Chief Sources of Income.</i>                            |  |  |              |
|--|--|--|--------------|
| Proceeds of sales of public lands, \$11,181.36             | Pay of Senate,                               |  | 1,065.60     |
| Surplus revenue, 2,500.00                                  | Pay of Representatives,                      |  | 21,117.60    |
| Railroad tax, 17,250.52                                    | For money borrowed,                          |  | 37,548.93    |
| Money borrowed, 41,875.00                                  | N. H. Reports,                               |  | 941.99       |
| Civil commissions (fees), 790.48                           | State printers,                              |  | 2,836.54     |
| State tax for 1846 and 1847, 59,877.74                     | Publishing laws,                             |  | 705.30       |
|  | N. H. Asylum.—Support of insane,             |  | 538.92       |
|  | Perkins Institution.—Education of blind,     |  | 550.00       |
| <i>Principal Items of Expenditure.</i>                     | American Asylum.—Education of deaf and dumb, |  | 2,075.00     |
| Salaries, Executive and Judiciary, \$17,635.34             |  |  |              |
| Pay of Council, 854.00                                     |  |  |              |
| Total receipts for the year ending June 6, 1848, . . . . . |  |  | \$134,354.21 |
| Total expenditures for the same period, . . . . .          |  |  | 123,036.70   |
| Balance in Treasury, June 7, 1848, . . . . .               |  |  | 11,317.51    |

*State of the Treasury, June 7, 1848.*

|   |             |
|---|-------------|
| Total amount of available funds, . . . . .  | \$12,031.89 |
| Total amount of indebtedness, . . . . .     | 10,419.67   |
| Balance in favor of the Treasury, . . . . . | 1,612.22    |

*Statement of the Condition of the several Banks in New Hampshire, on the 1st Monday of June, 1848.*

| Names of Banks.     | Place of business. | Capital stock actually paid in. | Specie. | Deposits. | Circulation. | Amount of debts due the bank and of real estate. | Amount of bills of other banks and of deposits in other banks. |
|---------------------|--------------------|---------------------------------|---------|-----------|--------------|--|--|
| Ashuelot,           | Keene,             | 100,000                         | 6,098   | 13,894    | 74,732       | 177,742  | 14,745   |
| Belknap County,     | Meredith Bridge,   | 50,000                          | 3,267   | 3,906     | 47,571       | 97,050   | 3,618  |
| Cheshire,           | Keene,             | 100,000                         | 6,861   | 13,644    | 74,719       | 192,613  | 5,054  |
| Connecticut River,  | Charlestown,       | 80,000                          | 8,777   | 25,695    | 79,247       | 178,920  | 4,268  |
| Dover,              | Dover,             | 75,000                          | 4,329   | 20,071    | 56,884       | 145,979  | 10,685   |
| Derry,              | Derry,             | 100,000                         | 2,936   | 2,207     | 59,050       | 128,525  | 32,115   |
| Granite,            | Exeter,            | 100,000                         | 7,287   | 16,772    | 54,778       | 157,737  | 15,540   |
| Great Falls,        | Somersworth,       | 100,000                         | 4,033   | 12,411    | 76,640       | 175,449  | 14,045   |
| Lebanon,            | Lebanon,           | 100,000                         | 16,029  | 28,110    | 93,778       | 149,026  | 56,648   |
| Lancaster,          | Lancaster,         | 50,000                          | 2,363   | 13,781    | 33,692       | 100,847  | 6,517  |
| Mech. and Traders', | Portsmouth,        | 110,000                         | 8,509   | 44,455    | 79,856       | 234,194  | 18,133   |
| Merrimack County,   | Concord,           | 80,000                          | 12,447  | 16,392    | 60,117       | 142,040  | 7,265  |
| Mechanics',         | Concord,           | 100,000                         | 11,149  | 31,003    | 93,646       | 210,144  | 23,159   |
| Manufacturers',     | New Ipswich,       | 100,000                         | 6,326   | 3,117     | 62,286       | 149,307  | 15,142   |
| Manchester,         | Manchester,        | 100,000                         | 6,523   | 39,261    | 90,445       | 172,920  | 57,274   |
| Nashua,             | Nashua,            | 100,000                         | 18,316  | 52,451    | 97,498       | 226,707  | 29,687   |
| Piscat. Exchange,   | Portsmouth,        | 200,000                         | 10,025  | 34,361    | 149,266      | 350,337  | 27,681   |
| Rockingham,         | Portsmouth,        | 143,000                         | 12,119  | 31,778    | 89,050       | 263,473  | 5,515  |
| Rochester,          | Rochester,         | 100,000                         | 8,355   | 2,929     | 45,047       | 130,117  | 16,211   |
| Strafford,          | Dover,             | 100,000                         | 4,194   | 26,784    | 73,708       | 185,219  | 16,211   |
| Winchester,         | Winchester,        | 100,000                         | 1,757   | 300       | 22,410       | 93,641   | 29,528   |
|                     |                    | 2,088,000                       | 161,700 | 433,322   | 1,514,420    | 3,661,987  | 408,941  |

*Common Schools.*

The present school law is in the second year of its existence; a period too short for complete experiment. Already, however, much interest has been excited in the cause of education, and in the improvement of the common school system. The returns to the 20th May, 1848, are from all but 13 towns, and give the following statistics, to wit:—

|   |               |
|---|---------------|
| Whole number of school districts reported,                          | 2,132         |
| Number of scholars in the winter schools,                           | 73,840        |
| Average attendance in the winter schools,                           | 58,058        |
| Number of scholars in the summer schools,                           | 59,237        |
| Average attendance in the summer schools,                           | 46,011        |
| Average length of the winter schools in weeks,                      | 9½            |
| Average length of the summer schools in weeks,                      | 8½            |
| Average monthly wages of male teachers, exclusive of board,         | \$ 13.56      |
| Average monthly wages of female teachers, exclusive of board,       | 5.59          |
| Number of male teachers employed in the winter schools,             | 1,350         |
| Number of female teachers employed in the winter schools,           | 776           |
| Amount of money raised by taxes for the schools,                    | \$ 126,638.77 |
| Amount contributed in board and fuel,                               | 5,285.10      |
| Income of local funds,  | 5,401.73      |
| Amount of Literary Fund,  | 9,449.22      |
| Amount raised for the Teachers' Institute, about                    | 1,000.00      |
| Whole amount raised for the benefit of the schools during the year, | 147,744.82    |

Including the amount raised in the towns, not reported, the entire amount would not be much less than \$ 150,000, which is about \$ 50,000 more than is required to be raised by law.

*State Prison.*—James Moore, *Warden*, salary, \$ 800; Reuben G. Wyman, *Deputy Warden*; Rev. Eleazer Smith, *Chaplain*; William Prescott, M. D., *Physician*.

Whole number of convicts in prison, May 31, 1847, 61. Received since, 42. Whole number, 103. There have been discharged during the year, by expiration of sentence, 11; by pardons, 14; escaped, 1;—26. Leaving in prison, May 31, 1848, 77. Of those remaining in prison, 74 are males, and 3 are females; 75 are whites and 2 colored.

At no period within twenty years has the number of convicts been so small as the past year. The ages of the convicts at the time of their conviction were as follows:—Under 15 years of age, 2; from 15 to 20, 13; 20 to 30, 33; 30 to 40, 15; 40 to 50, 17; 50 to 60, 5; 60 to 70, 1; 70 to 80, 1. Of the convicts now in prison, 50 were committed for offences against property, as burglary, house-breaking, horse-stealing, larceny, &c.; 7 for arson and malicious burning; 8 for rape or attempt to commit rape; 1 for shooting; 7 for manslaughter; 1 for murder in the second degree; 3 for murder. There are 10 sentenced for life; 3 for 20 years; 3 for 15 years; 2 for 14 years; 6 for 10 years; 9 for 5 years; 17 for 3 years; and but 3 for 1 year. Of the whole number, 16 are foreigners, and 39 natives of Massachusetts. 20 convicts are employed in the cabinet shop; 24 in the shoe shop; 21 in the smith shop; the 3 females are employed in sewing. The expenditures for the year were \$ 6,195.50; the receipts were \$ 4,647.36; making a balance against the prison of \$ 1,548.14. By the report of the chaplain, it appears that lectures have been given to the convicts on Scripture geography, and on sacred history and biography. Each convict has been furnished with a good newspaper weekly. Several have learned to read, the better educated among the convicts assisting in instruction. Considerable progress has been made in sacred music and in Biblical knowledge.

*New Hampshire Asylum for the Insane, Concord.*—Andrew McFarland, *Superintendent*. Since the opening of the asylum, there have been admitted, to May 31, 1848, 547 patients; 180 have been cured, and 109 now remain in the institution. Of these, 57 are males and 52 females; and their supposed condition is,—favorable, 26; doubtful, 32; unfavorable, 51. The number of patients admitted during the past year was 92. Of these, 36 were farmers; 33, housekeepers; 1 was a student; 1 a teacher; and the others were accus-

tomed to manual labor. 27 were married, 55 were unmarried, and 10 were widowed. 10 of the 92 patients were under 20 years of age; 12 between 20 and 25 years; 21 between 25 and 35; 23 between 35 and 45; 16 between 45 and 55; and 10 over 55. The oldest patient was 77. Of the 92 patients, 1 had been insane more than 40 years; 3 more than 20 years; 9 from 10 to 20 years; 30 from 1 to 10 years; 12 from 6 to 12 months; and 38 less than 6 months. 35 became insane from unknown causes; 17 from ill health; 6 from domestic affliction; 6 from masturbation; 5 from religious causes; 4 from hard work; 1 congenital; 1 from old age. About 60 indigent insane persons have been aided by the legislative appropriation of 1847. The receipts of the asylum, from all sources, for the year ending May 31, 1848, were \$11,378.17; the expenditures for the same period were \$11,269.98.

### III. VERMONT.

#### GOVERNMENT

*For the Year ending October, 1848.*

|                      |  | Salary.    |
|----------------------|--|------------|
| HORACE EATON,        | of Enosburg, <i>Governor</i> (term ends Oct. '48),     | \$750*     |
| Leonard Sargeant,    | of Manchester, <i>Lieut.-Gov. &amp; Pres. Sen.</i> ,   | \$4 a day. |
| George Howes,        | of Montpelier, <i>Treasurer</i> ,                      | 400        |
| James McM. Shafter,  | of Burlington, <i>Secretary of State</i> ,             | 275        |
| Frederic Billings,   | of Woodstock, <i>Sec. Civil and Military Affairs</i> , | 200        |
| Silas H. Hodges,     | of Rutland, <i>Auditor of Accounts</i> ,               | 150        |
| De Witt C. Clarke,   | of Burlington, <i>Secretary of the Senate</i> ,        | 250        |
| Solomon Foote,       | of Rutland, <i>Speaker of the House</i> .              |            |
| Ferrand F. Merrill,  | of Montpelier, <i>Clerk of the House</i> ,             | 400        |
| Gustavus H. Loomis,  | of Montpelier, <i>State Librarian</i> ,                | 100        |
| Hiram Harlow,        | of Windsor, <i>Superintendent of State Prison</i> ,    | 500        |
| F. W. Hopkins,       | of Rutland, <i>Adjutant and Insp.-General</i> ,        | 150        |
| C. B. Adams,         | of Middlebury, <i>State Geologist</i> .                |            |
| Thomas Kidder,       | of Windsor, <i>Chaplain of State Prison</i> ,          | 400        |
| Caleb B. Harrington, | of Middletown, <i>Commissioner of the Insane</i> .     |            |

The Senate was established in 1836. The House of Representatives is composed of about 230 members, one member from each town. Pay of the members of each House, \$1.50 a day during the session of the Legislature.

#### JUDICIARY.

##### *Supreme Court.*

|                    |                                       | Salary. |
|--------------------|---------------------------------------|---------|
| Stephen Royce,     | of Berkshire, <i>Chief Judge</i> ,    | \$1,375 |
| Isaac F. Redfield, | of Randolph, <i>Associate Judge</i> , | 1,375   |
| Milo L. Bennett,   | of Burlington, "                      | 1,375   |
| Daniel Kellogg,    | of Rockingham, "                      | 1,375   |
| Hiland Hall,       | of Bennington, "                      | 1,375   |
| Charles Davis,     | of Danville, "                        | 1,375   |
| Peter T. Washburn, | of Woodstock, <i>Reporter</i> ,       | 450     |

\* And \$250 as Superintendent of Common Schools, Commissioner for the Deaf, Blind, Insane, &c.

*Clerks of Supreme and County Courts.*

| Counties.   |                       | Residence.    |
|-------------|-----------------------|---------------|
| Bennington, | Samuel H. Blackmer,   | Bennington.   |
| Windham,    | Marshall Miller,      | Fayetteville. |
| Rutland,    | Frederick W. Hopkins, | Rutland.      |
| Windsor,    | Norman Williams,      | Woodstock.    |
| Addison,    | George Swift,         | Middlebury.   |
| Orange,     | Calvin Blodgett,      | Chelsea.      |
| Chittenden, | Edward A. Stansbury,  | Burlington.   |
| Washington, | Shubael Wheeler,      | Montpelier.   |
| Caledonia,  | Samuel B. Mattocks,   | Danville.     |
| Lamoile,    | Philo G. Camp,        | Hydepark.     |
| Grand Isle, | Elijah Haynes,        | North Hero.   |
| Franklin,   | Joseph H. Brainerd,   | St. Albans.   |
| Orleans,    | Henry M. Bates,       | Irasburg.     |
| Essex,      | Wm. H. Hartshorn,     | Guildhall.    |

The judiciary powers are vested in a Supreme Court, consisting of six judges ; in County Courts, or Courts of Common Pleas, comprising six circuits, each County Court being composed of one judge of the Supreme Court, who is, *ex officio*, chief-justice of the County Courts of his circuit, and two assistant judges for each county ; and in justices of the peace ; all the judges and justices being chosen annually by the Legislature.

The Supreme Court sits once and the County Courts twice a year, in each county. Each judge of the Supreme Court is Chancellor of a circuit. The Court of Chancery has two stated sessions annually in each county, and is always in session for all purposes except the final hearing of a cause. An appeal from the decree of the Chancellor lies to the Supreme Court.

*Common Schools.* — Number of school districts in the State, 2,276 ; number of children between 4 and 18 years, 79,757 ; amount of wages paid male teachers, \$52,236.97 ; amount of wages paid female teachers, \$33,233.63 ; public moneys received, \$71,177.27 ; average amount paid for each scholar, \$1.18. The school fund was abolished in 1845 to pay the State debt.

*Vermont Asylum for the Insane, Brattleboro'.* — William H. Rockwell, M. D., Superintendent. The buildings are now sufficient to accommodate 300 patients. Since the opening of the asylum, there have been admitted, to September, 1846, 1,032 patients ; 741 have been discharged, and 291 remain in the institution. Of the 1,032 patients thus admitted, 432 recovered, equal to 42.06 per cent. ; 84 have died, equal to 8.12 per cent. During the year 1847, the whole number of patients was 460. Admitted, 197 ; discharged, 169 ; remaining in the institution, 291. Of those discharged, 95 were cured.

*Terms of admission.* — For the first six months, \$2 per week, and \$1.50 afterwards. When the insanity is connected with epilepsy or paralysis, \$2.50 per week. No patient received for a less term than three months, unless he recover before that time. Patients are received from other States on the same terms.

*State Prison.* — Average number of convicts in 1846, 65 ; expenditure, \$5,469.10 ; income, \$3,943.34. This is nearly a correct account for the year 1847.

*Banks.* — There are eighteen banks in the State. Their amount of capital stock is \$1,301,502.50 ; bills in circulation, \$2,353,292.43 ; due depositors, &c., \$415,448.10 ; total amount of liabilities, \$4,070,243.03. Resources, \$4,150,021.79.

## FINANCES

*For Fiscal Year ending September 1, 1847.*

|  |              |
|--|--------------|
| Amount received into the Treasury, . . . . .   | \$104,974.85 |
| “ expended, . . . . .                          | 99,947.79    |
| Balance in Treasury Sept. 1st, 1847, . . . . . | 5,027.06     |

*Principal Items of Expenditure.*

|                                 |             |
|---------------------------------|-------------|
| Expenses of the Legislature,    | \$21,773.17 |
| Executive expenses, — salaries, | 2,393.52    |
| Expenses of the Judiciary,      | 39,804.34   |
| State Prison,                   | 10,283.52   |
| Military expenses,              | 1,609.72    |
| Relief of infirm poor,          | 9,715.62    |
| Common Schools,                 | 2,888.37    |
| Geological Survey,              | 2,824.40    |
| Agricultural,                   | 2,092.64    |
| Financial disbursements,        | 6,562.48    |

*Principal Sources of Revenue.*

|                             |             |
|-----------------------------|-------------|
| In Treasury, Sept. 1, 1846, | \$20,480.05 |
| From taxes,                 | 59,074.52   |
| Taxes on bank dividends,    | 3,376.74    |
| Safety and School Funds,    | 5,128.05    |
| Peddlers' licenses,         | 4,829.10    |
| All other sources,          | 12,086.38   |

*State Liabilities.*

|                                |             |                                     |            |
|--------------------------------|-------------|-------------------------------------|------------|
| Indebted to Safety Fund Banks, | \$36,502.91 | To meet which it has, —             |            |
| Salaries due,                  | 3,117.75    | Balance in the Treasury,            | \$5,027.96 |
| Auditor's orders outstanding,  | 1,400.18    | Taxes not collected,                | 16,696.50  |
|                                | 41,020.84   | Notes for School Fund, State Bank,  |            |
| Deduct resources,              | 31,570.80   | and Surplus Fund,                   | 6,856.49   |
| Balance against the State,     | 9,450.04    | From County Clerks,                 | 1,399.10   |
|                                |             | Demands in hands of State's Att'ys, | 1,590.75   |
|                                |             |                                     | 31,570.80  |

## IV. MASSACHUSETTS.

## GOVERNMENT

*For the Year ending on the 1st Wednesday in January, 1849.*

|                           |                 |   |                 |
|---------------------------|-----------------|---|-----------------|
| GEORGE N. BRIGGS,         | of Pittsfield,  | Governor,                               | Salary, \$2,500 |
| John Reed,                | of Yarmouth,    | Lieutenant-Governor,                    | \$4 a day.      |
| William B. Calhoun,       | of Springfield, | Sec. of Commonwealth,                   | 1,600           |
| Joseph Barrett,           | of Concord,     | Treas. and Receiver-Gen.,               | 1,600           |
| George H. Devereux,       | of Salem,       | Adj.-Gen. and Keeper of                 |                 |
|                           |                 | Military Stores,                        | 1,500           |
| William Tufts,            |                 | 1st Clerk, Secretary of State's Office, | 1,200           |
| Joseph Foster,            |                 | 1st Clerk, Treasurer's Office,          | 1,200           |
| Barnas Sears,             | of Newton,      | Sec. of Board of Education,             | 1,500           |
| Zeno Scudder,             | of Barnstable,  | President of the Senate.                |                 |
| Francis B. Crowninshield, | of Boston,      | Speaker of House of Rep.                |                 |
| Charles Calhoun,          | of Boston,      | Clerk of Senate,                        | \$10 per day.   |
| Charles W. Storey, Jr.,   | of Boston,      | Clerk of House,                         | \$10 per day.   |

## JUDICIARY.

*Supreme Judicial Court.*

|                      |                 |                           |                       |
|----------------------|-----------------|---------------------------|-----------------------|
| Lemuel Shaw,         | of Boston,      | <i>Chief Justice,</i>     | \$ 3,500              |
| Samuel S. Wilde,     | of Boston,      | <i>Justice,</i>           | 3,000                 |
| Charles A. Dewey,    | of Northampton, | "                         | 3,000                 |
| Theron Metcalf,      | of Boston,      | "                         | 3,000                 |
| Richard Fletcher,    | of Boston,      | "                         | 3,000                 |
| Luther S. Cushing,   | of Boston,      | <i>Reporter,</i>          | 300                   |
| Charles R. Train,    | of Framingham,  | <i>District Attorney,</i> | N. Dist. 1,000        |
| John H. Clifford,    | of New Bedford, | "                         | S. " 1,000            |
| Ezra Wilkinson,      | of Boston,      | "                         | Mid. " 800            |
| William Porter, Jr., | of Lee,         | "                         | W. " 800              |
| Asahel Huntington,   | of Salem,       | "                         | E. " 800              |
| Samuel D. Parker,    | of Boston,      | <i>Attorney,</i>          | Co. of Suffolk, 2,000 |

The Supreme Court consists of five judges, who hold office during good behaviour. It has exclusive cognizance of all capital crimes, and exclusive chancery jurisdiction, so far as chancery powers are given by statute; and concurrent original jurisdiction of all civil cases, where the amount in dispute exceeds \$ 600, in Suffolk, and \$ 300 in the other counties. It holds law terms in eight of the fourteen counties of the State, and *nisi prius* terms in all the counties.

*Court of Common Pleas.*

|                       |                 |                           |          |
|-----------------------|-----------------|---------------------------|----------|
| Daniel Wells,         | of Greenfield,  | <i>Chief Justice,</i>     | \$ 2,100 |
| Edward Mellen,        | of Wayland,     | <i>Associate Justice,</i> | 1,800    |
| Horatio Byington,     | of Stockbridge, | "                         | 1,800    |
| George Tyler Bigelow, | of Boston,      | "                         | 1,800    |
| Jonathan C. Perkins,  | of Salem,       | "                         | 1,800    |
| Thomas Hopkinson,     | of Lowell,      | "                         | 1,800    |

The Court of Common Pleas is held for the trial of civil cases above \$ 20, and, except in Suffolk county, has criminal jurisdiction in all cases not capital. In Suffolk, the criminal jurisdiction is surrendered to the Municipal Court. There are six judges, and frequent terms are held in every county.

*Police Court of Boston.*

John G. Rogers, Jas. C. Merrill, Abel Cushing, *Justices,* salary, \$ 1,500 each.

*Commissioners of Insolvency.*

|                   |                    |                     |
|-------------------|--------------------|---------------------|
| John M. Williams, | of Boston,         | for Suffolk County. |
| John G. King,     | of Salem,          | for Essex "         |
| Asa F. Lawrence,  | of Pepperell,      | for Middlesex "     |
| Henry Chapin,     | of Worcester,      | for Worcester "     |
| Myron Lawrence,   | of Belchertown,    | for Hampshire "     |
| Daniel W. Alvord, | of Greenfield,     | for Franklin "      |
| George B. Morris, | of Springfield,    | for Hampden "       |
| Thomas Robinson,  | of Adams,          | for Berkshire "     |
| Francis Hilliard, | of Roxbury,        | for Norfolk "       |
| Welcome Young,    | of E. Bridgewater, | for Plymouth "      |



|                  |                |                     |
|------------------|----------------|---------------------|
| David Perkins,   | of Fall River, | for Bristol County. |
| Zeno Scudder,    | of Barnstable, | for Barnstable "    |
| George Cobb,     | of Nantucket,  | for Nantucket "     |
| Leavitt Thaxter, | of Edgartown,  | for Dukes "         |

These Commissioners hold a Court of Insolvency at the shire towns in their respective counties on the 1st Tuesday of each month. Salary, fees not exceeding the amount of \$1,500 each.

*Probate Courts.*

| Counties.   | Judges.           | Salary. | Registers.           | Salary. |
|-------------|-------------------|---------|----------------------|---------|
| Barnstable, | Nymphas Marston,  | \$400   | Timothy Reed,        | \$500   |
| Berkshire,  | Wm. P. Walker,    | 375     | Henry W. Bishop,     | 550     |
| Bristol,    | Oliver Prescott,  | 400     | Anselm Bassett,      | 750     |
| Dukes,      | Theod. G. Mayhew, | 100     | B. C. Marchant,      | 150     |
| Essex,      | Daniel A. White,  | 600     | Nathaniel Lord, Jr., | 1,500   |
| Franklin,   | R. E. Newcomb,    | 240     | Geo. Grennell, Jr.,  | 425     |
| Hampden,    | Oliver B. Morris, | 240     | Justice Willard,     | 550     |
| Hampshire,  | Ithamar Conkey,   | 240     | Samuel F. Lyman,     | 450     |
| Middlesex,  | Samuel P. P. Fay, | 700     | Isaac Fiske,         | 1,500   |
| Nantucket,  | Samuel Mitchell,  | 200     | George Cobb,         | 300     |
| Norfolk,    | Sherman Leland,   | 400     | Jonathan H. Cobb,    | 700     |
| Plymouth,   | Aaron Hobart,     | 350     | Jacob H. Loud,       | 650     |
| Suffolk,    | Edward G. Loring, | 800     | H. M. Willis,        | 2,000   |
| Worcester,  | Thomas Kinnicutt, | 600     | Charles G. Prentiss, | 1,500   |

**FINANCES.**

The ordinary revenue for the year ending January 1st, 1848, was . . . \$500,331.83

The ordinary expenditures for the same period were . . . 478,755.63

Excess of revenue for the year, . . . 21,576.20

*Principal Items of Expenditure.*

|                                     |            |  |             |
|-------------------------------------|------------|--|-------------|
| Councillors,                        | \$3,171.00 | Lunatic Hospital, for salaries,        | \$3,200.00  |
| Legislature, session 111 days,      | 71,466.00  | Martha Johannot's annuities,           | 2,420.00    |
| Salaries,                           | 65,831.17  | Normal Schools,                        | 2,000.00    |
| Adjutant and Q. M. General's Dep't, | 3,000.00   | Pensions,                              | 1,105.00    |
| Fuel, &c., for State-House,         | 2,500.00   | State Reform School,                   | 31,483.32   |
| Repairs of do.                      | 6,576.35   |  | 478,755.63  |
| State printing,                     | 12,571.76  |  |             |
| State Map and Surveys,              | 679.32     | <i>Chief Sources of Income.</i>        |             |
| State Library,                      | 300.00     | Auction tax,                           | \$45,287.35 |
| Term Reports,                       | 1,925.00   | Bank "                                 | 314,701.37  |
| County Treasurers,                  | 55,088.71  | Attorney for Suffolk County,           | 2,754.10    |
| Rolls of accounts,                  | 77,397.56  | Alien passengers,                      | 21,669.93   |
| Miscellanies,                       | 31,174.88  | County Treasurers (Franklin Co.),      | 305.18      |
| Interest on temporary loans,        | 1,849.25   | Hawkers' and peddlers' licenses,       | 4,493.00    |
| " Railroad do.                      | 1,335.25   | Interest on deposits in City Bank,     | 233.52      |
| " Western Railroad scrip,           | 50,900.00  | Lands in Maine,                        | 1,791.14    |
| Agricultural Societies,             | 6,631.20   | Legislature (over-allowed and repaid), | 20.00       |
| American Institute of Instruction,  | 300.00     | Miscellanies,                          | 32,254.29   |
| Asylum for the Blind,               | 7,500.00   | Rolls of accounts,                     | 4,959.45    |
| " " Deaf and Dumb,                  | 7,337.56   | State Maps sold,                       | 98.50       |
| Eye and Ear Infirmary,              | 7,000.00   | Western Railroad dividends,            | 71,764.00   |
| Bounty on silk,                     | 74.80      |  | 500,331.83  |
| " to militia,                       | 23,937.50  |  |             |

|   |                |
|---|----------------|
| The debt of Massachusetts, on its own account, was, on the 1st January, 1848, | \$1,152,031.62 |
| Liability of the Commonwealth for scrip loaned to the various railroads,      | 5,049,555.56   |
| Total absolute and contingent debt,   | 6,201,587.18   |
| The value of the property of the Commonwealth, Jan 1, 1848,                   | \$1,316,621.63 |
| Western Railroad stock sinking fund,  | 466,396.08     |
| Mortgages on the various railroads,   | 5,925,377.74   |
| Total property of the Commonwealth,   | 7,708,395.51   |
| Excess of resources over liabilities,   | \$1,506,808.33 |
| Deduct for funds specifically appropriated,                                   | 875,822.18     |
| Excess of resources for ordinary revenue,                                     | 630,986.15     |

To this may be added the value of at least 2,000,000 acres of Maine lands, which will remain after enough has been sold to raise the school fund to its legal limit.

*Abstract of the Returns of the Banks in Massachusetts for 1847.*

| <i>Due from the Banks.</i>  | 26 Banks in<br>Boston. | 33 Banks out<br>of Boston. | Total, 109<br>Banks. |
|---|------------------------|----------------------------|----------------------|
|   | \$                     | \$                         | \$                   |
| Capital stock paid in,  | 18,863,650.00          | 13,249,500.00              | 32,113,150.00        |
| Bills in circulation of five dollars and upwards,                 | 6,420,524.00           | 8,298,898.00               | 14,719,422.00        |
| Bills in circulation less than five dollars,                      | 787,309.00             | 1,689,631.25               | 2,476,940.25         |
| Net profits on hand,  | 2,262,455.15           | 1,237,127.62               | 3,499,582.77         |
| Balances due to other banks,                                      | 7,098,644.66           | 164,557.42                 | 7,263,202.08         |
| Cash deposited,   | 7,217,796.87           | 3,047,758.26               | 10,265,555.13        |
| Cash deposited bearing interest,                                  | 633,813.64             | 125,902.22                 | 759,715.86           |
| Total amount due from the banks,                                  | 43,289,272.33          | 27,813,374.77              | 71,102,647.10        |
| <i>Resources of the Banks.</i>                                    |                        |                            |                      |
| Specie,   | 3,286,015.95           | 657,957.63                 | 3,943,973.58         |
| Real estate,  | 695,134.92             | 367,815.29                 | 1,062,950.21         |
| Bills of other banks in this State,                               | 2,689,921.61           | 340,843.59                 | 3,030,765.20         |
| Bills of other banks elsewhere,                                   | 169,788.00             | 62,910.24                  | 232,698.24           |
| Balances due from other banks,                                    | 2,289,930.36           | 3,281,310.43               | 5,571,240.79         |
| Debts due, including notes, bills of exchange,<br>and all stocks, | 34,158,402.38          | 23,102,536.59              | 57,260,938.97        |
| Total resources of the banks,                                     | 43,289,193.22          | 27,813,374.77              | 71,102,567.99        |
| Amount of dividends for the year,                                 | 625,000.00             | 434,345.00                 | 1,059,345.00         |
| Amount of reserved profits,                                       | 1,304,581.56           | 730,527.37                 | 2,035,108.93         |
| Debts due each bank, secured by pledge of stock,                  | 375,884.61             | 354,728.95                 | 730,613.56           |
| Debts due and unpaid and doubtful,                                | 65,539.07              | 148,066.52                 | 213,605.59           |

*Insurance Abstract for 1847.* Number of offices, 29. Capital, \$5,825,500. In United States stocks and Treasury-notes, \$76,000. Bank stocks in Massachusetts, \$4,012,157. Stock of the State of Massachusetts, \$139,408. Loans on bottomry and respondentia, \$100,404. Real estate, \$443,501. Mortgages on do., \$770,692. Loans on collateral and personal security, \$368,561; loans on personal security only, \$336,468. Cash, \$192,982. Reserved or contingent fund, \$403,218. Railroad stock, \$341,180. Losses ascertained and unpaid, \$182,168. Estimated losses in addition, \$179,255. Premium notes, \$1,982,991. Notes bad or doubtful, but not charged to profit and loss, \$18,647. At risk, marine, \$8,831,419. At risk, fire, \$61,628,442. Premiums on fire risks undetermined, \$437,240. Average annual dividends for five years,  $9\frac{1}{10}$  per cent. (Boston offices,  $11\frac{1}{10}$  per cent.). Fire losses paid last year, \$189,683. Marine losses do., \$1,737,088.

*Schools for 1847.*—The towns raise by taxation for the support of schools, annually, \$682,870.57. Besides this, \$7,757.56 income of the "Surplus Revenue" is so appropriated. Total, \$670,628.13. Add \$33,618.18, contributed as board and fuel. Number of children in the State from 4 to 16 years old, 210,219. Amount for each child, \$3.14. Mean average attendance upon school, 130,547. No. of public schools in the State, 3,538. No. of male teachers, 2,437. No. of female teachers, 5,238. Estimated number of children who attend private schools, 12,000. Total number of children from 4 to 16 registered at summer schools, 156,170; add 4,782 less than 4 years. Total at summer schools, 160,952. Total do. registered at winter schools, 168,164; add 10,612 above 16 years. Total at winter schools,

178,776. Children from 4 to 16 wholly absent from school in summer, 41,749; do. in winter, 29,755. Average wages per month inclusive of board paid to male teachers, \$32.46. Do. to female teachers, \$13.60. Amount of School Fund, Jan. 1, 1848, \$845,168.25; increase during the year 1847, \$21,775.

*State Lunatic Hospital, Worcester.*—George Chandler, M. D., Superintendent. The whole number of rooms designed for the use of patients is 351. 15 new apartments for the furiously insane are nearly completed. The average number of patients for the year ending Nov. 30, 1847, was 378. The whole number discharged during the year is 183, being 98 males and 85 females. Of this number, 103 are recovered; 23 improved; 36 incurable and harmless; 21 incurable and dangerous. Deaths, 30. Receipts for the year, \$45,662.92; expenses, \$39,444.45. The number of foreigners admitted the past year was unusually large, being one fourth of the whole number, and their treatment is pronounced more difficult than that of natives.

*State Prison.*—The number of prisoners, September 30, 1847, is 288; 123 having been received, and 88 discharged, during the year. Of the number in prison, 218 were committed for feloniously appropriating property; 11 for malicious offences against property, as firing, &c.; 12 for offences against the social state, as adultery, &c.; 5 for rape, and attempts to commit it; 7 for arson; 1 for perjury; 3 for escapes; and 31 for offences against the person, including assaults and murder. 18 are confined for life; 1 for 35 years; 4 for 18 years; and the remainder for a shorter period; 94 are confined for 2 years or less. 30 are from 15 to 20 years old; 138 from 20 to 30; 65 from 30 to 40; 31 from 40 to 50; 20 from 50 to 60; 3 from 60 to 70, and 1 above 70. 79 are foreigners, and 96 natives of Massachusetts. There are 36 second-comers; 11 third-comers; 1 fourth, fifth, and sixth comer, respectively. There are 15 negroes and 10 mulattos. Average number of convicts for the year, 262. There has been no death. The expenses have been \$32,271.71; the receipts, \$32,397.97. Balance of income, \$126.26.

*Pauperism in the Year 1847.*—The number of persons relieved or supported as paupers was 18,717, of whom 7,920 were town paupers, and 9,005 State paupers. Of these State paupers, 7,035 were foreigners, and of this number 6,383 were natives of England and Ireland. These numbers do not include 127 foreign lunatics, and 1,765 foreign inmates of the Deer Island Hospital at Boston. There were 182 almshouses, with 18,109½ acres of land attached, the whole valued at \$1,020,739.80. Number relieved in almshouses, 9,218 (the average being 3,950), of whom 4,532 were unable to labor. Number relieved out of almshouses, 9,344. Average weekly cost of each pauper in almshouses, 96½ cents; out of almshouses, 96½ cents. Net expense of almshouses, including interest, \$347,411.19. Estimated value of pauper labor in almshouses, \$17,463. 2,501 foreign paupers have come into the State within the year.

*Jails and Houses of Correction.*—Whole number of prisoners, including 1,060 debtors, was 7,009. Of these, 5,796 were males, and 1,213 females; 936, minors; 435, colored; 2,370, able to read or write; 45, insane; 995, natives of Massachusetts; 730, natives of other States; 1,605, foreigners; 3,679, nativity unknown; remaining in confinement, Nov. 1, 1847, 730. Average cost of board of each prisoner per week, \$1.74; estimated value of labor in Houses of Correction, \$15,728.40. Total expense for the year, \$72,263.75.

### Criminal Statistics.

| Offences.   | Prosecutions. | Convictions. | Acquittals. | Nol. Pros'd. | Still pending. | No Bill. | Not arrested. | Default on recognizance. | Costs.     |
|---|---------------|--------------|-------------|--------------|----------------|----------|---------------|--------------------------|------------|
| Against the person, feloniously,                  | 36            | 7            | 4           | 4            | 10             | 11       | .             | .                        | \$2,482.12 |
| "                    "          not feloniously,  | 298           | 141          | 21          | 46           | 45             | 31       | 12            | 2                        | 4,260.19   |
| Against property, with violence,                  | 165           | 102          | 11          | 8            | 2              | 35       | 4             | 3                        | 3,716.48   |
| "                    "          without violence, | 591           | 294          | 36          | 37           | 75             | 90       | 41            | 18                       | 10,834.22  |
| Other offences,                                   | 2,217         | 947          | 54          | 373          | 428            | 272      | 73            | 58                       | 18,794.29  |
| Whole number,                                     | 3,307         | 1,491        | 126         | 468          | 560            | 439      | 130           | 81                       | 40,087.30  |

*Births, Marriages, and Deaths*, for the registration year ending April 30th, 1847. — By the returns, which are more full than either of those of previous years, it appears that the number of births returned is as 1 to 34 inhabitants (according to the census of 1840), excluding the population of Boston, the number of marriages as 1 to 114, and the number of deaths as 1 to 54. The "Registration" gives the following tables: —

### 1. Influence of Occupation on Longevity.

| Occupations.            | 1842.   | 1843.   | 1844.   | 1845.   | 1846.   |                |              | 1847.   |                |              |
|-------------------------|---------|---------|---------|---------|---------|----------------|--------------|---------|----------------|--------------|
|                         | Number. | Number. | Number. | Number. | Number. | Aggregate age. | Average age. | Number. | Aggregate age. | Average age. |
| Professional men, . . . | 54      | 75      | 82      | 62      | 54      | 2,847          | 52.72        | 74      | 3,785          | 51.15        |
| Merchants, . . .        | 78      | 93      | 75      | 90      | 81      | 4,296          | 53.04        | 102     | 5,018          | 49.20        |
| Agriculturalists, . . . | 660     | 706     | 663     | 645     | 679     | 45,241         | 66.63        | 741     | 47,538         | 64.14        |
| Public officers, . . .  | 41      | 29      | 25      | 35      | 34      | 1,366          | 41.06        | 42      | 1,890          | 45.00        |
| Mechanics, . . .        | 452     | 484     | 452     | 477     | 538     | 24,613         | 45.75        | 651     | 30,241         | 46.45        |
| Laborers, . . .         | 195     | 179     | 182     | 219     | 216     | 10,679         | 49.44        | 262     | 12,242         | 46.73        |
| Seamen, . . .           | 192     | 207     | 162     | 145     | 119     | 5,798          | 48.72        | 214     | 9,210          | 43.04        |
| Paupers, . . .          | 15      | 32      | 35      | 5       | 37      | 2,571          | 69.48        | 47      | 2,708          | 57.62        |
| Females, . . .          |         |         | 19      | 264     | 396     | 18,537         | 46.93        | 490     | 23,496         | 47.95        |
| Total and averages,     | 1,687   | 1,805   | 1,695   | 1,942   | 2,153   | 115,978        | 53.87        | 2,623   | 136,128        | 51.89        |

No person under 20 years of age is included in this abstract, occupations not being supposed to have any particular influence before that age.

### 2. Influence of Domestic Condition on Longevity,

Showing, for each County, the number and aggregate age of all in the returns over 20 years old, whose condition is specified.

| Counties.                  | Males.     |                |          |                |           |                | Females.   |                |          |                |         |                |
|----------------------------|------------|----------------|----------|----------------|-----------|----------------|------------|----------------|----------|----------------|---------|----------------|
|                            | Unmarried. |                | Married. |                | Widowers. |                | Unmarried. |                | Married. |                | Widows. |                |
|                            | Number.    | Aggregate age. | Number.  | Aggregate age. | Number.   | Aggregate age. | Number.    | Aggregate age. | Number.  | Aggregate age. | Number. | Aggregate age. |
| Essex, . . .               | 88         | 3,134          | 204      | 10,705         | 30        | 2,141          | 88         | 4,241          | 203      | 9,359          | 165     | 12,312         |
| Middlesex, . . .           | 43         | 1,509          | 231      | 11,723         | 45        | 3,306          | 88         | 3,416          | 290      | 12,582         | 101     | 7,488          |
| Worcester, . . .           | 104        | 3,764          | 258      | 13,928         | 64        | 4,707          | 104        | 4,520          | 272      | 12,194         | 142     | 10,424         |
| Hampshire, . . .           | 11         | 374            | 45       | 2,736          | 16        | 1,277          | 28         | 1,080          | 70       | 3,376          | 44      | 3,282          |
| Hampden, . . .             | 27         | 880            | 76       | 4,360          | 17        | 1,076          | 23         | 846            | 93       | 3,881          | 41      | 2,834          |
| Franklin, . . .            | 18         | 557            | 47       | 2,677          | 11        | 841            | 27         | 1,179          | 45       | 2,128          | 30      | 2,257          |
| Berkshire, . . .           | 21         | 885            | 64       | 3,868          | 15        | 1,113          | 20         | 813            | 84       | 3,931          | 43      | 3,170          |
| Norfolk, . . .             | 48         | 1,867          | 128      | 7,329          | 23        | 1,666          | 51         | 2,698          | 119      | 4,908          | 67      | 4,834          |
| Bristol, . . .             | 30         | 1,017          | 105      | 5,527          | 25        | 1,881          | 27         | 1,555          | 123      | 5,657          | 53      | 3,992          |
| Plymouth, . . .            | 26         | 1,107          | 84       | 5,101          | 16        | 1,191          | 38         | 1,793          | 94       | 4,402          | 68      | 5,123          |
| Barnstable, . . .          | 5          | 153            | 68       | 3,392          | 16        | 1,126          | 15         | 683            | 68       | 2,934          | 40      | 2,980          |
| Dukes and Nantucket, . . . | 7          | 267            | 30       | 1,704          | 2         | 133            | 11         | 721            | 28       | 1,248          | 20      | 1,568          |
| Total, . . .               | 428        | 15,514         | 1,340    | 73,050         | 250       | 20,458         | 620        | 23,545         | 1,489    | 66,600         | 814     | 60,273         |
| Average age, . . .         |            | 36.25          |          | 54.52          |           | 73.06          |            | 45.28          |          | 44.73          |         | 74.50          |

## V. RHODE ISLAND.

## GOVERNMENT

*For the Year ending 1st Tuesday in May, 1849.*

|                       |                   |                            | Salary.          |
|-----------------------|-------------------|----------------------------|------------------|
| ELISHA HARRIS,        | of Coventry,      | Governor,                  | \$ 400           |
| Edward W. Lawton,     | of Newport,       | Lieutenant-Governor,       | 200              |
| Henry Bowen,          | of Providence,    | Sec. of State,             | \$ 750 and fees. |
| Stephen Cahoon,       | of Newport,       | General Treasurer,         | 500              |
| Joseph M. Blake,      | of Bristol,       | Attorney-General,          | Fees.            |
| Henry Barnard,        | of Providence,    | Comm'r of Public Schools,  | 1,500            |
| Thomas J. Stead,      | of Providence,    | Major-Gen. of the Militia. |                  |
| Sylvester G. Sherman, | of North Kingdon, | Speaker of the House.      |                  |

The Governor, Lieutenant-Governor, Secretary of State, Treasurer, and Attorney-General are elected annually on the 1st Wednesday of April for the year commencing the 1st Tuesday of May. The Commissioner of Schools is appointed by the Governor. The Senate consists of the Governor, who presides, the Lieutenant-Governor, and one Senator from each of the thirty-one towns in the State. The House of Representatives consists of 69 members.

## JUDICIARY.

*Supreme Court.*

|                     |                |                    |                  |
|---------------------|----------------|--------------------|------------------|
| Richard W. Greene,  | of Providence, | Chief Justice,     | Entries & \$ 900 |
| Levi Haile,         | of Warren,     | Associate Justice, | " 550            |
| William R. Staples, | of Providence, | "                  | " 550            |
| George A. Brayton,  | of Warwick,    | "                  | " 550            |
| Joseph K. Angell,   | of Providence, | Reporter.          |                  |

The judges of the Supreme Court hold office until they are removed by a resolution passed by both Houses of the Assembly, and voted for by a majority of the members elected to each House. By an act passed May, 1848, the Court of Common Pleas in each of the five counties is hereafter to be held by a single judge of the Supreme Court sitting alone. The associate judges of the Supreme Court are to divide this duty among themselves. There are no longer any associate justices elected for each county.

*Clerks of the Supreme and Common Pleas Courts.*

| Counties.   | Clerks of Supreme Court.  | Clerks of Common Pleas.   | Post-Office.  |
|---|---|---|---|
| Newport,<br>Providence,<br>Washington,<br>Bristol,<br>Kent, | William Gilpin,<br>Walter Paine, Jr.,<br>Powell Helme,<br>William Throop,<br>Joseph J. Tillinghast, | Daniel C. Denham,<br>John W. Smith,<br>John G. Clarke, Jr.,<br>Massadore T. Bennett,<br>Jeremiah S. Slocum, | Newport.<br>Providence.<br>Kingston.<br>Bristol.<br>E. Greenwich. |

*Public Schools.* — The State has a school fund, invested in bank stock, of \$51,300. By an act passed 1836, the interest of this State's part of the United States surplus revenue (commonly called the Deposit Fund) was set

apart for public schools. \$25,000 is annually paid from the State treasury for schools; and each town, in 1846, according to the requisitions of the revised school law, voted to raise by tax one third as much as they receive from the State, and many of the towns raise a much larger sum. The amount expended for schools in 1844 (exclusive of academies and private schools) was over \$54,000. For several years past, great exertions have been made in all parts of the State in improving the schools, and a very large sum has been expended in erecting district school-houses, and repairing old ones. By an act passed June, 1848, the proceeds of the militia commutation tax in each town are to be applied hereafter to the support of public schools. For several years past, \$1,500 has been annually appropriated by the State for the instruction of the deaf, dumb, and blind, in asylums out of the State. Mr. Barnard, the Commissioner, has made no report for two or three years past.

*Providence Athenæum.*—Thomas H. Williams, Librarian. The charter of this institution was granted in January, 1836; and in September, 1847, its library contained 13,533 volumes. Of this number, 12,733 have been purchased, and 800 given. The total outlay for books has been \$20,416.99; making the average cost per volume, \$1.56. 531 volumes were added in the year ending September, 1847, exclusive of pamphlets, at a cost of \$1,125.96, or \$2.12 per volume. The number of volumes in the public libraries of Providence is 44,000.

*State Prison.*—Thomas W. Hayward, of Providence, Warden. The number of prisoners, October 1st, 1847, was 18, — 17 males and 1 female. All the males but one are employed in making shoes. In the Providence county jail the prisoners are employed in making tables and coffins.

#### FINANCES.

When the State first received the deposit fund or surplus revenue from the United States, they invested it for schools. For the State prison and the Dorr war the State has since used \$152,719.21 of it, and this is sometimes spoken of as a debt. The State owes \$25,000 on note to the Bank of North America, and by a resolution passed in June, 1848, the Treasurer is authorized to borrow \$16,000 more. This course was taken to prevent using up any more of the surplus revenue, which by former laws had been specially devoted to schools. There is also a claim of about \$40,000 for some old Revolutionary certificates, the validity of which is disputed.

| <i>Principal Items of Expenditure.</i> |         | <i>Chief Sources of Income.</i>      |          |
|--|---------|--------------------------------------|----------|
| Salaries, . . . . .                    | \$5,325 | Bank tax, . . . . .                  | \$27,087 |
| Senate, . . . . .                      | 1,680   | Tax on increase of bank capital, . . | 6,680    |
| House of Representatives, . . .        | 3,678   | From Courts, . . . . .               | 7,428    |
| Expenses of Supreme Court, . .         | 12,461  | Insurance Companies, . . . . .       | 1,492    |
| Expenses of Common Pleas, . . .        | 6,062   | Interest on surplus revenue, . . .   | 12,894   |
| Schools, . . . . .                     | 24,051  | Interest on school fund stock, . .   | 3,202    |
| State Prison, . . . . .                | 5,000   | Auctions, . . . . .                  | 1,837    |
| Orders of General Assembly, . .        | 17,827  | Peddlers, . . . . .                  | 5,650    |
| Balance against State in last account, | 1,551   | Pawtucket Turnpike, . . . . .        | 1,300    |
| Militia, . . . . .                     | 857     | Oyster leases, . . . . .             | 185      |
| Miscellaneous, . . . . .               | 2,320   | Miscellaneous, . . . . .             | 2,395    |
|  | 80,818  | Balance against State, . . . . .     | 9,635    |
|  |         |                                      | 80,813   |

*Banks in Rhode Island in April, 1848.* — The whole number of banks is sixty-two, giving one bank to every 1,755 inhabitants, according to the census of 1840. The condition of the banks is thus stated.

| <i>Dr.</i>                | <i>Liabilities.</i> | <i>Resources.</i>                  | <i>Cr.</i>    |
|---------------------------|---------------------|------------------------------------|---------------|
| Capital stock paid in,    | \$11,095,202.50     | Debts due from directors,          | \$694,942.02  |
| Bills in circulation,     | 2,698,494.33        | Debts due from other stockholders, | 582,839.41    |
| Deposits on interest,     | 149,832.59          | Debts due from all others,         | 13,294,156.30 |
| Deposits not on interest, | 1,223,992.57        | Total discounts,                   | 14,501,939.73 |
| Debts due from banks,     | 620,323.48          | Specie actually in banks,          | 320,561.48    |
| Dividends unpaid,         | 26,506.57           | Bills of other banks,              | 532,936.50    |
| Net profits on hand,      | 632,817.42          | Deposits in other banks,           | 564,160.48    |
|                           | 16,447,169.46       | Stock in the banks,                | 57,961.03     |
|                           |                     | Stock in other banks, &c.,         | 231,715.67    |
|                           |                     | Real estate,                       | 231,751.48    |
|                           |                     | Furniture and other property,      | 16,123.09     |
|                           |                     |                                    | 16,447,169.46 |

## VI. CONNECTICUT.

### GOVERNMENT

*For the Year ending on the 1st Wednesday in May, 1849.*

|                     |   | <i>Salary.</i> |
|---------------------|---|----------------|
| CLARK BISSELL,      | of New Haven, <i>Governor,</i>                      | \$1,100        |
| Charles J. M'Curdy, | of Lyme, <i>Lieut.-Gov. &amp; Pres. Senate,</i>     | 300            |
| Joseph B. Gilbert,  | of Hartford, <i>Treasurer,</i>                      | 1,000          |
| John B. Robertson,  | of New Haven, <i>Secretary of State,</i>            | 1,000          |
| Abijah Catlin,      | of Harwinton, <i>Comptroller,</i>                   | 1,000          |
| Seth P. Beers,      | of Litchfield, <i>Comm'r of the School Fund and</i> |                |
|                     | <i>Sup't of Schools, \$1,250 and expenses.</i>      |                |
| Gideon Trumbull,    | of Stonington, <i>Ass't Comm'r of School Fund.</i>  |                |
| Thomas B. Buller,   | of Norwalk, <i>Pres. pro tem. of the Senate.</i>    |                |
| L. S. Foster,       | of Norwich, <i>Speaker of the House.</i>            |                |
| Francis Bacon,      | of Litchfield, <i>Clerk of the House.</i>           |                |
| John C. Hollister,  | of New Haven, <i>Clerk of the Senate.</i>           |                |

### JUDICIARY.

#### *Supreme and Superior Court.*

|                       |                                      |         |
|-----------------------|--------------------------------------|---------|
| Samuel Church,        | of Litchfield, <i>Chief Justice,</i> | \$1,300 |
| Henry M. Waite,       | of Lyme, <i>Associate Justice,</i>   | 1,250   |
| William L. Storrs,    | of Middletown, "                     | 1,250   |
| Joel Hinman,          | of New Haven, "                      | 1,250   |
| William W. Ellsworth, | of Hartford, "                       | 1,250   |
| Thomas Day,           | of Hartford, <i>Reporter,</i>        | 550     |

A term of the Superior Court is held by one judge semiannually, in each county of the State; and the Supreme Court, constituted of the five judges, meets annually in each county. The judges of this court hold their offices until seventy years of age. This court has jurisdiction in all cases where the damages, or matter in dispute, exceeds \$70.

*County Courts.*

| Counties.   | Judges.  | Residence.   | Attorneys.  | Residence.   |
|---|--|--|---|--|
| Hartford,<br>New Haven,<br>New London,<br>Fairfield,<br>Windham,<br>Litchfield,<br>Middlesex,<br>Tolland, | Francis Parsons,<br>Edward Hinman,<br>Charles J. M <sup>c</sup> Curdy,<br>Thomas B. Osborne,<br>Thomas Backus,<br>Holbrook Curtiss,<br>Charles C. Tyler,<br>Hiram Rider, | Hartford.<br>Southbury.<br>Lyme.<br>Fairfield.<br>Killingly.<br>Watertown.<br>Middletown.<br>Willington. | R. D. Hubbard,<br>Dennis Kimberly,<br>John T. Wait,<br>Joshua B. Ferris,<br>Jonathan A. Welch,<br>Leman Church,<br>Charles Whittlesey,<br>Loren P. Waldo, | Hartford.<br>New Haven.<br>Norwich.<br>Stamford.<br>Brooklyn.<br>Salisbury.<br>Middletown.<br>Tolland. |

A County Court is held by one judge three times each year, in the several counties. The judges of this court are appointed annually by the Legislature. They have jurisdiction in all civil actions where the damages, or matter in dispute, exceed \$35. In civil cases, an appeal lies in all cases from the County to the Superior Court, where the matter in dispute exceeds the sum of \$70.

## FINANCES FOR 1847 - 48.

| <i>Principal Items of Expenditure.</i>    |             | <i>Interest on money borrowed from</i> |           |
|---|-------------|--|-----------|
| Debture and expenses of General Assembly, | \$25,118.91 | school fund, about                     | \$850.00  |
| Salaries of officers,                     | 11,934.00   | Q. Master-General's department,        | 1,745.69  |
| Judicial expenses,                        | 36,781.39   | <i>Chief Sources of Income.</i>        |           |
| Contingent expenses,                      | 9,306.72    | Forfeited bonds,                       | \$963.43  |
| Support of State paupers,                 | 1,100.00    | Avals of courts,                       | 924.39    |
| Directors of State prison,                | 300.00      | Dividends on bank stock,               | 33,488.00 |
| Superintendence of common schools,        | 1,250.31    | Taxes,                                 | 67,865.96 |
| Public buildings and institutions,        | 9,786.46    | Licenses to peddlers,                  | 1,421.64  |

The whole amount of State debt (borrowed from school fund) is \$11,565.68. The permanent fund of the State, on the 1st day of April, 1847, consisting of bank stock not transferable, or subscriptions to the capital of sundry banks, which may be withdrawn on giving six months' notice, amounted to \$406,000.

Valuation in 1846 of real estate, \$88,963,321.08 $\frac{1}{2}$ ; personal estate, \$15,888,483.93 $\frac{1}{2}$ . Aggregate, \$104,851,805.02.

*Banks in Connecticut in May, 1848.*

| <i>Liabilities.</i> |                | <i>Resources.</i>            |               |
|---------------------|----------------|------------------------------|---------------|
| Circulation,        | \$4,891,265.06 | Specie,                      | \$517,700.08  |
| Deposits,           | 1,994,689.19   | Bills of other banks,        | 227,603.47    |
| Due other banks,    | 299,397.42     | Due from other banks,        | 1,301,735.33  |
| Dividends unpaid,   | 29,132.39      | Due from brokers and agents, | 390,543.91    |
| Other liabilities,  | 10,830.46      | Stocks, bonds, &c.,          | 505,978.13    |
| Total liabilities,  | 7,225,214.52   | Checks and other cash items, | 54,970.05     |
|                     |                | Over drafts,                 | 31,604.19     |
|                     |                | Real estate,                 | 329,407.05    |
|                     |                | Bills discounted,            | 13,424,653.99 |
|                     |                | Total resources,             | 16,784,096.20 |

A portion of the stock of the banks is held as follows:—

|                                 |           |                                      |           |
|---------------------------------|-----------|--------------------------------------|-----------|
| By the State of Connecticut,    | \$406,000 | By school, ecclesiastical, and other |           |
| The school fund,                | 319,600   | societies,                           | \$553,665 |
| In trust for minors and others, | 447,800   | By 2141 females,                     | 1,631,515 |
|                                 |           | Total,                               | 3,358,580 |

The whole capital stock in 1848 is \$8,726,381.



*Abstract from the Bank Commissioners' Reports for the last Twelve Years.*

| Year. | Capital.     | Circulation. | Total Liabilities. | Specie.    | Loans and Discounts. | Total Resources. |
|-------|--------------|--------------|--------------------|------------|----------------------|------------------|
| 1837  | \$ 8,744,697 | \$ 3,998,325 | \$ 15,715,964      | \$ 415,386 | \$ 13,246,945        | \$ 15,691,285    |
| 1838  | 8,754,467    | 1,920,552    | 12,302,631         | 535,447    | 9,769,286            | 12,293,372       |
| 1839  | 8,832,223    | 3,987,815    | 14,942,779         | 502,180    | 12,286,946           | 14,942,779       |
| 1840  | 8,578,245    | 2,325,589    | 12,950,572         | 499,032    | 10,428,630           | 12,950,512       |
| 1841  | 8,873,927    | 2,784,721    | 13,866,373         | 454,298    | 10,944,673           | 13,866,273       |
| 1842  | 8,876,317    | 2,555,638    | 13,465,052         | 471,238    | 10,683,413           | 13,465,052       |
| 1843  | 8,580,393    | 2,379,947    | 12,914,124         | 438,752    | 9,798,392            | 12,914,124       |
| 1844  | 8,292,238    | 3,490,963    | 14,472,681         | 455,430    | 10,842,955           | 14,472,681       |
| 1845  | 8,359,748    | 4,102,444    | 15,243,235         | 453,658    | 12,447,196           | 15,243,235       |
| 1846  | 8,475,630    | 4,565,947    | 15,892,685         | 481,367    | 13,032,600           | 15,892,685       |
| 1847  | 8,605,742    | 4,437,631    | 15,784,772         | 462,165    | 12,781,857           | 15,784,772       |
| 1848  | 8,726,351    | 4,891,265    | 16,808,829         | 517,700    | 13,424,653           | 16,808,829       |

*Common Schools.* — The number of school societies is 215; of school districts, 1655; of children between four and sixteen, 87,512. The capital of the school fund in May, 1848, was \$2,077,641.19, and the amount of dividends for the year ending March 1, 1848, was \$126,126.80; which gives \$1.45 to every enumerated child. The returns in Connecticut do not give the number of teachers, or their wages, or the length of schools; but only the information indicated above.

*Retreat for the Insane, Hartford.* — John S. Butler, M. D., Physician and Superintendent. — The whole number of patients, April 1, 1847, was 118; 93 were admitted in the course of the year, making 211 in all; 95 of whom were males, and 116 females. 89 were discharged during the year, leaving in the Retreat, April 1, 1848, 122; 59 of whom were males, and 63 females. Of the 89 patients discharged, 40 were recovered, 24 improved, 13 not improved, and 12 died. 36 recent cases have been discharged, of whom 29 had recovered, 4 were removed by friends, and 3 have died. 27 recent cases remain under treatment, mostly of recent admission, of whom 24 are curable, and 3 are doubtful. 40 recent cases have been admitted during the year. The whole number admitted from the opening of the institution, in 1824, to this time, is 1764. 1642 have been discharged; of whom 942 have recovered, 557 have improved, and 143 have died. The percentage of recoveries, if calculated upon the whole number of patients admitted, is 53 per cent.; but if calculated upon the whole number discharged, as is usual, it amounts to 57 per cent. In like manner, the percentage of deaths is either 8.1 or 8.7. Of the 39 males admitted during the past year 14 were farmers; and of the 54 females, 11 were wives or daughters of farmers, and 17 engaged in domestic occupation. Of the 93, 71 were natives of Connecticut, and 3 were foreigners; 80 were residents in Connecticut; 38 were married, 50 single, 4 widowed, and 1 divorced. The three cases of permanent insanity first admitted have cost \$11,000, or \$3,700 each; while the last three cases of recovery from recent insanity have cost but \$170.74, or \$56.91 each.

The terms of admission are, for patients belonging to the State, with the usual accommodations, \$3.00 per week; for those belonging to other States, \$3.50 per week. For patients belonging to the State, with accommodations in the centre building, and a separate attendant, \$10.00 per week; for those belonging to other States, \$12.00 per week.

No patient is admitted for a shorter term than three months, and payment for that term must be made in advance.

For admission, apply to either of the Managers, or to the Superintendent.

*American Asylum for the Deaf and Dumb, Hartford.* — Lewis Weld, A. M., Principal. — The number of pupils for the year ending May 13, 1848, was 203; of whom 104 were males, and 99 females. Of these, 18 were supported by friends; 30 by the State of Maine; 22 by New Hampshire; 17 by Vermont; 75 by Massachusetts; 5 by Rhode Island; 28 by Connecticut; and 8 by South Carolina. The cost for each pupil for board, washing, fuel, &c., tuition, and the incidental expenses of the school-room, is \$100 per annum. In sickness the necessary extra charges are made. Payment must be made six months in advance, and a satisfactory bond for punctual payment will be required. Applicants for admission must be between 8 and 25 years of age, of good natural intellect, capable of forming and joining letters with a pen legibly and correctly, of good morals, and free from any contagious disease.

Applications for the benefit of the legislative appropriations in Maine, New Hampshire, and Massachusetts should be made to the Secretaries of those States respectively, stating the name and age of the proposed beneficiary, and the circumstances of his parent or guardian. In the States of Rhode Island and South Carolina they should be made to the commissioners of the funds for the education of the deaf and dumb, and in Vermont and Connecticut to the Governor. In all cases, a certificate from two or more of the selectmen, magistrates, or other respectable inhabitants of the township or place to which the applicant belongs, should accompany the application.

*State Prison, Wethersfield.* — Ellsha Johnson, Warden. Archibald Welch, Physician. David Miller, Chaplain. — The whole number of convicts, March 31, 1848, was 150. During the year, 42 had been received, and the same number had been discharged. 36 were discharged by expiration of sentence, 1 was pardoned, and 5 died. Of those remaining in prison, 136 are males, — 102 white, and 34 colored; and 14 are females, — 8 white, and 6 colored. The males are employed in making cabinet work, cutlery, and shoes; and the females in washing, cooking, making and mending clothing, and binding boots. The lowest number in confinement during the year was 124. The average number was 143. There are 17 prisoners under sentence for life. Since 1827, there have been 1,236 commitments. Of these, 865 were for offences against property, including burglary, larceny, horse-stealing, counterfeiting, &c.; 50 for arson; 89 for adultery; 11 for bigamy; 174 for offences against life and the person, including assaults. A small library was purchased for the use of the prisoners, under the resolve of the General Assembly of 1847, and instruction in the rudiments of learning has been given them. There is also a Sunday School connected with the prison. The receipts of the prison for the year were \$13,351.88; the expenditures \$11,843.24; balance in favor of the prison, \$1,508.46.

## VII. NEW YORK.

### GOVERNMENT

*For the Year 1849.*

|                       |                |                                  | Salary.     |
|-----------------------|----------------|----------------------------------|-------------|
| * John Young,         | of Geneseo,    | Governor,                        | \$ 4,000    |
| * Hamilton Fish,      | of New York,   | Lieutenant-Governor,             | \$ 6 a day. |
| † Christopher Morgan, | of Auburn,     | Sec. State & Sup't Com. Schools, | 2,500       |
| † Millard Fillmore,   | of Buffalo,    | Comptroller,                     | 2,500       |
| † Alvah Hunt,         | of Oxford,     | Treasurer,                       | 1,500       |
| † Ambrose L. Jordan,  | of New York,   | Attorney-General,                | 2,000       |
| † Charles B. Stuart,  |                | State Engineer and Surveyor,     | 2,500       |
| * Samuel Stevens,     | of Albany,     | Adjutant-General,                | 1,000       |
| § John Stewart,       | of New York,   | Commissary-General,              | 700         |
| Lewis Benedict, Jr.,  | of Albany,     | Judge-Advocate General,          | 150         |
| * Charles Cook,       | of Havana,     | Canal Commissioner,              | 1,700       |
| † Nelson J. Beach,    | of Lowville,   | " "                              | 1,700       |
| † Jacob Hinds,        | of Hindsville, | " "                              | 1,700       |
| * John B. Gedney,     | of Sing Sing,  | Inspector of State Prisons,      | 1,600       |
| † Isaac N. Comstock,  | of Albany,     | " "                              | 1,600       |
| † David D. Spencer,   | of Ithaca,     | " "                              | 1,600       |
| David K. Abell,       | of Albany,     | Canal Appraiser,                 | \$ 4 a day. |
| †† Gideon Hard,       | of Albion,     | " "                              | "           |
| †† Elihu L. Phillips, | of Syracuse,   | " "                              | "           |

\* Term expires Dec. 31, 1848.

† Term expires Dec. 31, 1849.

† Term expires Dec. 31, 1850.

§ Term expires March 7, 1850.

|| Term expires January 8, 1850.

†† Term expires April 4, 1850.

|                       |              |  |                |
|-----------------------|--------------|--|----------------|
| Archibald Campbell,   | of Albany,   | <i>Dep. Sec. of State &amp; Clerk of</i> | <i>Salary.</i> |
|                       |              | <i>Comm'rs of the Land-Office,</i>       | \$ 1,500       |
| Philip Phelps,        | of Albany,   | <i>Dep. Comptroller,</i>                 | 1,500          |
| Judson W. Sherman,    | of Albany,   | <i>Dep. Treasurer,</i>                   | 1,300          |
| Francis H. Ruggles,   | of Fredonia, | <i>Auditor of Canal Department,</i>      | 1,500          |
| Alexander G. Johnson, | of Troy,     | <i>Dep. Sup't of Common Schools,</i>     | 1,000          |
| Alfred B. Street,     | of Albany,   | <i>State Librarian,</i>                  | 600            |
| Elisha W. Skinner,    | of Albany,   | <i>Ass't " "</i>                         | 600            |
| Henry V. Colt,        | of Geneseo,  | <i>Private Secretary of Governor,</i>    | 600            |

### *Legislature.*

The *Senate* consists of thirty-two members, who are elected for two years, one from each senatorial district. The *Assembly* consists of one hundred and twenty-eight members, elected annually.

### JUDICIARY.

#### 1. *Court for the Trial of Impeachments.*

This court is composed of the President of the Senate (who is president of the court, and when absent the chief judge of the Court of Appeals presides), the Senators, or the major part of them, and the judges of the Court of Appeals, or the greater part of them. It is a court of record, and when summoned meets at Albany, and has for its clerk and officers the clerk and officers of the Senate. If the Governor is impeached, the Lieutenant-Governor cannot act as a member of the court. Two thirds of the members present must concur for conviction. The judgment of the court extends only to removal from or disqualification for office, or both; the party being still liable to indictment.

#### 2. *The Court of Appeals.*

This court has full power to correct and reverse all proceedings and decisions of the Supreme Court, or of the old Supreme Court and Court of Chancery. It is composed of eight judges, of whom four are elected (one every second year) by the people at large, for eight years, and four selected each year from the justices of the Supreme Court, having the shortest time to serve. These selections are made alternately from the first, third, fifth, and seventh, and from the second, fourth, sixth, and eighth judicial districts. The judge (of the four chosen at large) whose term first expires presides as chief judge. Six judges constitute a quorum. Every cause must be decided within the year in which it is argued, and, unless re-argued, before the close of the term after the argument. Four terms must be held each year, and every two years there must be one term in each judicial district. Each judge has a salary of \$2,500 per annum. The court for 1849 is thus constituted: —

#### *Chosen by the People at Large.*

|                     |                  |                     |                                 |
|---------------------|------------------|---------------------|---------------------------------|
| Freeborn G. Jewett, | of Skaneateles,  | <i>Chief Judge,</i> | Term expires.<br>Dec. 31, 1849. |
| Greene C. Bronson,  | of Albany,       |                     | " 1851.                         |
| Charles H. Ruggles, | of Poughkeepsie, |                     | " 1853.                         |
| Addison Gardiner,   | of Rochester,    |                     | " 1855.                         |

*Selected from the Justices of the Supreme Court to serve until Dec. 31, 1849.*

Selah B. Strong, of Setauket.

W. H. Shankland, of Cortlandville.

Daniel Cady, of Johnstown.

James G. Hoyt, of Attica.

Charles S. Benton, of Mohawk, Clerk. Salary, \$2,000.

### 3. *The Supreme and Circuit Courts.*

The Supreme Court has general jurisdiction in law and equity, and power to review judgments of the County Courts, and of the old Courts of Common Pleas. For the election of the justices, the State is divided into eight judicial districts, each of which elects four to serve eight years, with an annual salary of \$2,500. In each district one justice goes out of office every two years. The justice in each district whose term first expires, and who is not a judge of the Court of Appeals, is a presiding justice of the court, and the clerks of the several counties serve as clerks. In every county of forty thousand inhabitants, at least one general term of the Supreme Court is held each year; and once in two years in every other county except Hamilton. Every county has each year at least two special terms, and two Circuit Courts, except the city and county of New York, which has four Circuit Courts. Any three or more of the justices (including one presiding justice) hold the general terms; and any one or more hold the special terms, at which are heard all equity cases, and Circuit Courts, which are held exclusively for the trial of issues of fact.

#### *Justices of the Supreme and Circuit Courts.*

| Justices.               | Residence.      | Term expires.  | Justices.                | Residence.     | Term expires.  |
|-------------------------|-----------------|----------------|--------------------------|----------------|----------------|
| <i>First District.</i>  |                 |                | <i>Fifth District.</i>   |                |                |
| Samuel Jones,           | New York,       | Dec. 31, 1849. | Charles Gray,            | Herkimer,      | Dec. 31, 1849. |
| E. P. Hurlbut,          | New York,       | " 1851.        | Daniel Pratt,            | Syracuse,      | " 1851.        |
| J. W. Edmonds,          | New York,       | " 1853.        | Philo Gridley,           | Utica,         | " 1853.        |
| H. P. Edwards,          | New York,       | " 1855.        | Wm. F. Allen,            | Oswego,        | " 1855.        |
| <i>Second District.</i> |                 |                | <i>Sixth District.</i>   |                |                |
| Selah B. Strong,        | Setauket,       | " 1849.        | W. H. Shankland,         | Cortlandville, | " 1849.        |
| W. T. McCoun,           | Oyster Bay,     | " 1851.        | Hiram Gray,              | Elmira,        | " 1851.        |
| Nathan B. Morse,        | Brooklyn,       | " 1853.        | Charles Mason,           | Hamilton,      | " 1853.        |
| Seward Barculo,         | Poughkeepsie,   | " 1855.        | E. B. Morehouse,         | Cooperstown,   | " 1855.        |
| <i>Third District.</i>  |                 |                | <i>Seventh District.</i> |                |                |
| W. B. Wright,           | Monticello,     | " 1849.        | T. A. Johnson,           | Corning,       | " 1849.        |
| Ira Harris,             | Albany,         | " 1851.        | John Maynard,            | Seneca Falls,  | " 1851.        |
| Malbone Watson,         | Catskill,       | " 1853.        | Henry Welles,            | Penn. Yann,    | " 1853.        |
| Amasa J. Parker,        | Albany,         | " 1855.        | Samuel L. Selden,        | Rochester,     | " 1855.        |
| <i>Fourth District.</i> |                 |                | <i>Eighth District.</i>  |                |                |
| Daniel Cady,            | Johnstown,      | " 1849.        | James G. Hoyt,           | Attica,        | " 1849.        |
| Alonso C. Paige,        | Elizabethtown,  | " 1851.        | James Mullet,            | Buffalo,       | " 1851.        |
| John Willard,           | Sarat. Springs, | " 1853.        | Seth E. Sill,            | Buffalo,       | " 1853.        |
| Augus. C. Hand,         | Schenectady,    | " 1855.        | R. P. Marvin,            | Jamestown,     | " 1855.        |

### 4. *County or Surrogates' Courts.*

When the real estate, or all the defendants, or all the parties interested, are in the county, the jurisdiction of the County Courts extends to actions of debt, assumpsit, and covenant, when the debt or damage claimed are not

above \$ 2,000 ; to actions for injury to the person or trespass upon property, where the damages are not above \$ 500 ; and in replevin suits, where the property claimed is not above \$1,000. They have equity jurisdiction for the foreclosure of mortgages ; for the sale of the real estate of infants ; for partition of lands ; for admeasurement of dower ; for the satisfaction of judgments where above \$ 75 is due on an unsatisfied execution ; and for the care and custody of lunatics and habitual drunkards. The Surrogates' Courts have the ordinary jurisdiction of courts of probate.

### 5. Criminal Courts.

These are the Courts of Oyer and Terminer and the Court of Sessions. The Courts of Oyer and Terminer, in each county, except in the city and county of New York, are composed of a justice of the Supreme Court, who presides, the county judge, and the two justices of the peace chosen members of the Court of Sessions. The presiding justice and any two of the others form a quorum. In the city and county of New York, they are composed of a justice of the Supreme Court, who presides, and any two of the following officers : judges of the Court of Common Pleas of the city and county ; the mayor, recorder, and aldermen of said city. These courts are all held at the same time and place at which the Circuit Courts are held. Courts of Sessions are composed of the county judge and the two justices of the peace designated as members of the Court of Sessions, and are held at the same time and place as the County Courts.

### 6. Courts of New York City and County.

#### Superior Court.

| Judges.                   | Salary.   | Term expires.  |
|---------------------------|-----------|----------------|
| Aaron Vanderpoel,         | \$ 3,500, | Dec. 31, 1849. |
| Thomas J. Oakley,         | do.       | " 1851.        |
| Lewis H. Sanford,         | do.       | " 1853.        |
| D. R. Floyd Jones, Clerk. |           |                |

#### Common Pleas.

|                      |           |                |
|----------------------|-----------|----------------|
| Michael Ulshoeffier, | \$ 3,000, | Dec. 31, 1849. |
| Daniel P. Ingraham,  | do.       | " 1851.        |
| Charles P. Daly,     | do.       | " 1853.        |
| James Conner, Clerk. |           |                |

Vacant, Surrogate.

*Finances of the City of New York.* — See Table of Cities, *ante*, pp. 223, 224.

*Croton Aqueduct.* — Revenue from May 1, 1847, to May 1, 1848, \$ 226,551.83 ; being an excess over the preceding year of \$ 32,000.49.

*Lighting Streets and Public Buildings.* — The expense for 1847 was \$ 162,815. 3,069 lamps were supplied with gas, and 7,700 with oil ; cost of lighting and oil, \$ 12.19 each lamp ; cost of gas, in most cases, \$ 15 per lamp. Net expenses of cleaning the streets, \$ 150,371.89.

*Pauperism in the City of New York.* Number received at the principal establishments in 1847, 28,692 ; do. remaining Dec. 31, 1847, 5,549. Average number, 5,368. Net cost, \$ 224,274.04. Average cost of each pauper

per week, 80½ cents. \$95,019.84 has been paid to out-door paupers during the year ending May 1, 1848. 44,572 persons, being one ninth of the tota population, had out-door relief. Increase of expenses in 1847, \$77,000. Net expenses of the department for the year 1847, \$379,681,371.

*Health of the City of New York.*— Number of interments for the year, 15,788, of which 10,376 were natives of the United States, and 5,412 foreigners; 3,813 natives of Ireland, and 669 of Germany. There were 2,667 deaths from fevers, 1,926 from consumption, 1,023 from convulsions, 32 from suicide, 45 from burns and scalds, and 134 from drowning; and 1,058 children were stillborn or premature.

*Deaths by the Principal Diseases in 1847, as compared with the two preceding Years.*

|                           | 1845. | 1846. | 1847. |                 | 1845. | 1846. | 1847. |
|---------------------------|-------|-------|-------|-----------------|-------|-------|-------|
| Typhus and Typhoid Fever, | 174   | 256   | 1396  | Whooping-cough, | 89    | 214   | 86    |
| Apoplexy,                 | 333   | 400   | 445   | Hydrocephalus,  | 482   | 483   | 559   |
| Cholera Infantum,         | 563   | 527   | 692   | Old Age,        | 92    | 131   | 180   |
| Cholera Morbus,           | 19    | 34    | 44    | Phthisis,       | 1659  | 1698  | 1926  |
| Convulsions,              | 771   | 879   | 1023  | Pneumonia,      | 763   | 573   | 748   |
| Croup,                    | 220   | 190   | 271   | Measles,        | 137   | 17    | 275   |
| Debility,                 | 140   | 199   | 515   | Scarletina,     | 63    | 114   | 142   |
| Delirium Tremens,         | 81    | 80    | 137   | Small-pox,      | 425   | 141   | 53    |
| Erysipelas,               | 55    | 55    | 162   |                 |       |       |       |

*Statistics of Crime in the City of New York.*— Arrests from July 1, 1845, to April 15, 1848, 67,971; of which 1,779 were for felonies, 7,743 for petty larcenies, 42,829 for intoxication and disorderly conduct, 5,945 for assault and battery, and 5,175 for vagrancy.

*Education.\**— The amount of capital and annual revenue of the several funds appropriated to the purposes of education is as follows:—

|                             | Capital.       | Annual Interest. |
|-----------------------------|----------------|------------------|
| Common School Fund,         | \$2,170,514.47 | \$131,554.21     |
| United States Deposit Fund, | 4,014,520.71   | 262,370.76       |
| Literature Fund,            | 265,306.78     | 17,335.65        |
|                             | 6,450,341.96   | 411,260.62       |

There has also been paid from the general fund for the instruction of the deaf and dumb, \$25,910.03; and to the institution for the blind, \$17,438.66; making the whole sum paid during the year for the purposes of education, \$454,609.31.

#### FINANCES.

*Debt of the State.*— The following shows the direct debt of the State, and the annual interest on the same:—

|  | Principal.     | Ann. Interest. |
|--|----------------|----------------|
| General fund and railroad debt,          | \$6,139,840.82 | \$338,928.09   |
| Canal debt,                              | 16,739,559.57  | 923,633.40     |
| Aggregate of absolute debt and interest, | 22,879,390.39  | 1,262,561.49   |

Of the canal debt, \$11,515,897.57 bears interest at 5 per cent.; \$1,781,782, at 6 per cent.; and \$3,441,880, at 7 per cent. The cost of the canals is \$30,987,345.94, and the tolls for the fiscal year were \$2,531,771.24, which, less \$643,766.08, total of all charges for repairs and maintenance of the canals and the collection of tolls, gives a net revenue of

\* For the statistics of common schools in New York, see "Corrections and Additions," at the end of the volume.

\$2,888,005.16; being 9.3 per cent. upon the whole cost of all the State canals. Besides the above, there is a contingent debt, upon which the State does not pay interest, of \$1,563,000, making the total indebtedness of the State, \$24,446,590.39.

*Property and Taxation in the Year 1847.* — In the year 1847, there were 27,880,467 acres of land taxed, the assessed value of which was \$509,496,855. The assessed value of personal estate, for the same year, was \$121,162,201; and the corrected aggregate valuation, \$632,699,993. The amount of State and county taxes was \$3,740,368.62; of town taxes, \$1,103,236.98. Total taxation, \$4,843,575.60; making the rate of State, county, and town taxes, 7.65 mills on \$1.00 valuation.

*General Fund*, — on which are charged the ordinary expenses of government.

|  |              |
|--|--------------|
| Receipts on account of General Fund, for the year ending Sept. 30, 1847, . . . | \$822,133.01 |
| Expenditures on account of General Fund (actual expenses of government), . . . |              |
| for the same period, . . . . .   | 659,217.47   |
| Difference, . . . . .  | 162,915.54   |

*Chief Sources of Income.*

*Principal Items of Expenditure.*

|  |             |  |             |
|--|-------------|--|-------------|
| Auction duty, . . . . .                                    | \$87,932.17 | Executive, . . . . .                   | \$33,136.36 |
| Salt duty, . . . . .                                       | 32,398.64   | Judiciary, . . . . .                   | 86,741.07   |
| Register and clerk fees, . . . . .                         | 14,977.13   | Legislature, . . . . .                 | 99,434.92   |
| Fees of Secretary's office, . . . . .                      | 1,604.59    | State printing, . . . . .              | 38,457.59   |
| Peddler's licenses, . . . . .                              | 3,080.00    | Deaf and dumb, . . . . .               | 20,910.03   |
| Foreign insurance companies, . . . . .                     | 8,588.36    | Blind, . . . . .                       | 12,438.66   |
| Interest on arrears of county taxes, . . . . .             | 11,734.84   | Agricultural societies, . . . . .      | 7,120.75    |
| “ Treasury deposits, . . . . .                             | 6,821.20    | State prisons, . . . . .               | 12,037.13   |
| Surplus revenue of canals, annual appropriation, . . . . . | 200,000.00  | State library, . . . . .               | 11,785.24   |
| State tax, . . . . .                                       | 291,902.11  | Hospital, New York, . . . . .          | 22,500.00   |
| Miscellaneous and temporary receipts, . . . . .            | 47,867.62   | Foreign poor, . . . . .                | 10,000.00   |
|  |             | Miscellaneous and temporary, . . . . . | 72,105.28   |
|  |             | Special appropriations, . . . . .      | 149,607.15  |

*Resources and Liabilities of all the Banks of this State on the 1st Day of November, 1847.*

| <i>Resources.</i>                      | 167 banks, 2 branches.* | <i>Liabilities.</i>                         | 167 banks, 2 branches.* |
|--|-------------------------|---|-------------------------|
| Loans and discounts, . . . . .         | \$80,887,862            | Capital, . . . . .                          | \$43,279,891            |
| Real estate, . . . . .                 | 3,464,618               | Profits, . . . . .                          | 6,043,532               |
| Bonds and mortgages, . . . . .         | 2,712,840               | Circulation, . . . . .                      | 26,237,256              |
| Stocks and promissory notes, . . . . . | 13,474,548              | Due Treasurer of the State, . . . . .       | 1,009,945               |
| Bank fund, . . . . .                   | 140,392                 | Due Canal Fund, . . . . .                   | 1,603,119               |
| Loss and expense account, . . . . .    | 491,519                 | Due depositors on demand, . . . . .         | 35,096,818              |
| Over drafts, . . . . .                 | 117,090                 | Due individuals, . . . . .                  | 966,840                 |
| Specie, . . . . .                      | 9,107,920               | Due banks, . . . . .                        | 17,034,010              |
| Cash items, . . . . .                  | 8,703,577               | Due Treasurer of the U. States, . . . . .   |                         |
| Bills of solvent banks, . . . . .      | 2,420,375               | Am't not included in above items, . . . . . | 977,865                 |
| Bills of suspended banks, . . . . .    | 2,780                   |   | \$132,249,276           |
| Due from banks and bankers, . . . . .  | 10,725,755              |   |                         |
|  | \$132,249,276           |   |                         |

The aggregate amount of the circulation of all the free banking associations and individual bankers in operation Dec. 1, 1847, was \$10,366,554. The securities deposited with the Comptroller to secure the redemption of these bills was, at the same date, \$11,100,253.73. 2 associations and 19 individual bankers commenced business during the year. They deposited securities to the amount of \$1,951,444.46, upon which \$1,948,186.00 of circulating notes were issued. 30 free banks have been closed by the Comptroller since the passage of the general banking law. Their securities deposited were valued at \$1,681,747.86; the

\* Including 88 free banks, 4 of which did not make reports.

proceeds of their sale amounted to \$971,003.98, showing a loss on securities of \$610,743.18. 11 banks, which have become insolvent, with an aggregate capital of \$3,150,000, contributed to the safety fund \$86,282.42; and to pay their debts there was drawn from the fund the sum of \$2,577,926.67.

*Bloomington Asylum for the Insane.*—At the beginning of the year, there were 131 patients in the asylum; 143 were admitted, making the number of cases at the asylum during the year, 274. Of the 143 admitted, 13 were cases of delirium tremens, and 4 were readmissions of patients, making 126 cases of insanity proper. Of these, 84 resided in New York, and 39 in New Jersey. Their age on admission was, under 20 years, 11; 20 to 30, 43; 30 to 40, 33; 40 to 50, 22; 50 to 60, 7; 60 to 70, 4; 70 to 80, 1; unknown, 2. 62 were single; 56 married; 8 were widowed. 116 cases have been discharged. 58 were cured; 17 much improved; 23 improved; 18 unimproved. 13 patients, 7 males and 6 females, died during the year, being 9.44 per cent. of the average number of patients. There is a school connected with the men's department in which the ordinary English branches are taught. The asylum has a library of 1,000 volumes. 5 daily and 8 weekly newspapers, 2 monthlies, and 4 quarterly reviews are taken for the patients. Courses of lectures upon natural philosophy, chemistry, animal physiology, &c., illustrated by diagrams, are given in the winter.

## VIII. NEW JERSEY.

### GOVERNMENT

*For the Year ending January, 1849.*

|                    |                    |  | Salary.       |
|--------------------|--------------------|--|---------------|
| DANIEL HAINES,     | of Sussex Co.,     | Governor (term of office expires Jan. 1851), | \$1,600       |
| Ch. G. M'Chesney,  | of Trenton,        | Secretary of State,                          | Fees.         |
| John Mairs,        | of Trenton,        | Treasurer,                                   | 1,000         |
| J. F. King,        | of Perth Amboy,    | Superintendent of Public Schools.            |               |
| John C. Smallwood, | of Gloucester Co., | Pres. of the Senate,                         | \$4.00 a day. |
| J. W. C. Evans,    | of Burlington Co., | Speaker of the Assembly,                     | 4.00 a day.   |
| Philip J. Gray,    | of Camden Co.,     | Clerk of the Senate,                         | 3.50 a day.   |
| Alex. M. Cumming,  |                    | Clerk of the Assembly,                       | 3.50 a day.   |

### JUDICIARY.

*Court of Errors and Appeals.*

This court is composed of the Chancellor, the judges of the Supreme Court, and six other judges appointed by the Governor with the consent of the Senate, who hold office for six years, one judge vacating his seat each year in rotation. The court holds stated terms at Trenton, on the third Tuesdays of January, April, July, and October.

|                       |                    |        | Term expires. |
|-----------------------|--------------------|--------|---------------|
| Joseph Porter,        | of Gloucester Co., | Judge, | 1852          |
| James Speer,          | of Passaic Co.,    | "      | 1851          |
| Robert H. McCarter,   | of Sussex Co.,     | "      | 1854          |
| Andrew Sinnickson,    | of Cumberland Co., | "      | 1849          |
| Jonathan J. Spencer,  | of Burlington Co., | "      | 1848          |
| Ferdinand S. Schenck, | of Somerset Co.,   | "      | 1853          |

*Court of Chancery.*

The Chancellor is appointed by the Governor, with the consent of the Senate, for seven years. This court holds four terms annually at Trenton, on the third Tuesdays in March, June, September, and December.



|                    |             | Term expires.    | Salary.         |
|--------------------|-------------|------------------|-----------------|
| Oliver S. Halsted, | of Newark,  | Chancellor, 1852 | \$1,800 & fees. |
| Samuel R. Gummere, | of Trenton, | Clerk, 1850      | Fees.           |

### Supreme Court.

The judges are appointed by the Governor, with the consent of the Senate, for seven years. This court holds four terms each year at Trenton, on the first Tuesdays in January, April, July, and October; and the judges of this court hold Circuit Courts and Courts of Oyer and Terminer four times a year in each county, except the counties of Atlantic and Cape May, in which two terms only are held. Superior Courts of Common Pleas are held four times a year in each county, by judges appointed by the Legislature, for five years, who receive fees, but no salary, and the number of whom is limited to five in each county.

|                     |                  | Term expires.           | Salary.         |
|---------------------|------------------|-------------------------|-----------------|
| Henry W. Greene,    | of Trenton,      | Chief Justice, 1853     | \$1,500 & fees. |
| Elias B. D. Ogden,  | of Patterson,    | Associate Justice, 1855 | 1,400 & fees.   |
| James S. Nevius,    | of N. Brunswick, | " 1852                  | 1,400 & fees.   |
| Jos. F. Randolph,   | of N. Brunswick, | " 1852                  | 1,400 & fees.   |
| Thos. P. Carpenter, | of Woodbury,     | " 1852                  | 1,400 & fees.   |
| Abraham Browning,   | of Camden,       | Attorney-General, 1850  | Fees & \$80.    |
| James Wilson,       | of Trenton,      | Clerk, 1852             | Fees.           |
| A. O. Zabriakie,    |                  | Reporter,               | \$200           |
| Sam'l R. Gummere,   | of Trenton,      | Clerk in Chancery, 1850 | Fees.           |

### Common Schools. — Abstract of the School Returns for Year ending December, 1847.

| Counties.       | No. of children in the districts, between the ages of 5 and 16. | No. of children who have attended school for any period less than 4 mos. | No. of children who have attended school 4 mos. and less than 8. | No. of children who have attended school 8 mos. and less than 12. | No. of colored children taught. | Whole No. of children taught during the year. | Average No. of mos. the schools were open. | Average price of tuition per quarter, for each scholar. | Amount of money received, or to be received, from township collector, for school purposes. | Amount of money expended. |
|-----------------|---|--|--|---|---------------------------------|---|--|---|--|---------------------------|
| Atlantic, . . . | 1,842   | 444  | 75   | 118   |                                 | 457   | 6  | \$2.25  | \$1,124.62   | \$199.00                  |
| Bergen, . . .   | 3,715   | 15   | 28   | 41  | 15                              | 1,326   | 11   | 2.00  | 1,675.71   | 1,094.58                  |
| Burlington, . . | 8,380   | 956  | 776  | 145   | 37                              | 3,332   | 7  | 2.31  | 7,451.69   | 3,973.53                  |
| Camden, . . .   | 4,695   |  |  |   | 14                              | 1,744   | 6  | 2.00  | 5,122.78   | 719.86                    |
| Cape May, . . . | 1,813   | 411  | 281  | 90  |                                 | 732   | 7  | 2.00  | 1,423.44   | 405.00                    |
| Cumberland, . . | 5,316   | 343  | 270  | 215   | 30                              | 1,569   | 7  | 2.18  | 5,925.59   | 3,602.81                  |
| Essex, . . .    | 12,141  | 206  | 460  | 145   | 150                             | 5,509   | 8  | 2.00  | 7,465.74   | 5,825.07                  |
| Gloucester, . . | 3,834   | 100  | 286  | 94  | 2                               | 685   | 6  | 2.25  | 3,469.81   | 1,010.38                  |
| Hudson, . . .   | 1,602   | 471  | 520  | 460   |                                 | 1,576   | 11   | 2.00  | 3,513.12   | 476.13                    |
| Hunterdon, . .  | 7,338   | 464  | 677  | 844   | 23                              | 4,269   | 7  | 2.00  | 5,084.57   | 2,515.72                  |
| Mercer, . . .   | 4,562   | 60   | 100  | 89  | 3                               | 2,025   | 10   | 2.00  | 4,475.37   | 1,809.08                  |
| Middlesex, . .  | 6,904   | 140  | 280  | 769   | 30                              | 3,867   | 10   | 2.13  | 5,465.33   | 4,032.93                  |
| Monmouth, . .   | 8,200   | 680  | 782  | 535   | 59                              | 5,575   | 8  | 2.00  | 6,801.96   | 2,015.90                  |
| Morris, . . .   | 7,865   | 98   | 310  | 472   | 13                              | 4,239   | 9  | 2.00  | 7,671.42   | 4,226.34                  |
| Passaic, . . .  | 2,697   | 300  | 519  | 41  | 5                               | 1,422   | 5  | 2.00  | 1,984.80   | 766.13                    |
| Salem, . . .    | 3,543   | 224  | 430  |   | 70                              | 2,789   | 8  | 2.15  | 6,247.66   | 2,766.42                  |
| Somerset, . . . | 5,261   | 100  | 140  | 142   | 83                              | 3,283   | 8  | 2.00  | 4,561.82   | 2,375.40                  |
| Sussex, . . .   | 6,181   | 935  | 1,069  | 497   | 30                              | 4,573   | 8  | 2.00  | 4,921.13   | 2,089.09                  |
| Warren, . . .   | 6,543   | 870  | 780  | 499   | 16                              | 3,723   | 9  | 2.00  | 5,473.97   | 1,978.57                  |
| Total, . . .    | 102,412   | 6,717  | 7,783  | 5,196   | 580                             | 52,795  | 8  | 2.06  | \$9,880.53   | \$41,881.94               |

There are in the State 171 townships, in which there are about 1,640 school districts. 16 townships and 164 districts are not reported in the preceding table, as no returns were received from them. Teachers' institutes and associations have been formed in some counties, and in 12 counties teachers and friends of education have established county associations and held public meetings, generally quarterly, for the discussion of subjects connected with education. The total amount of the school fund, on the 1st of January, 1848, was \$ 370,742.95. The amount of money expended for free schools from the school fund, during the year ending December, 1847, was \$ 30,000.00. The whole number of children taught was 52,795. The following table gives more particular returns.

*State Prison, Trenton.* — Number of prisoners, January 1, 1847, 167. Received during the year, 90. Whole number, 257. There were discharged during the year by expiration of sentence, 81; by pardon, 20; by death, 2; escaped, 1. Total, 104. Leaving in prison, Jan. 1st, 1848, 153.

*Relief for Ireland.* — The amount of New Jersey contributions for the poor of Ireland (including a small amount to Scotland) was as follows: —

|  |              |
|--|--------------|
| Shipped from Newark, contributed from surrounding country, . . . . . | \$ 27,055.95 |
| Sent via Philadelphia, about . . . . .                               | 10,000.00    |
| Sent via New York, about . . . . .                                   | 7,944.05     |
| Total amount, about . . . . .  | 45,000.00    |

## FINANCES.

|   |               |
|---|---------------|
| Whole amount received in 1847, . . . . .        | \$ 184,711.84 |
| Whole amount expended, . . . . .                | 172,397.06    |
| Balance in Treasury, January 1, 1848, . . . . . | 12,314.78     |

|  |  |
|--|--|
| <i>Prin. Items of Expenditure to Jan. 1, 1848.</i>   | State tax due and remaining unpaid, 15,402.00      |
| Paid State account of this amount, \$ 3,411.41       | Cash, balance on deposit, . . . . . 12,314.78      |
| Transportation of criminals and costs                | Total, . . . . . 184,711.84                        |
| of conviction, . . . . . 5,820.32                    |  |
| Incidental expenses, . . . . . 5,489.27              | <i>Chief Sources of Income to Jan. 1, 1848.</i>    |
| Instruction of the Deaf and Dumb, . . . . . 2,955.06 | Balance in the Treas'y, Jan. 1, 1847, \$ 8,773.81  |
| Revolutionary Pensioners, . . . . . 2,287.38         | Transit duties received from New                   |
| State Prison salaries, . . . . . 6,460.16            | Jersey Railroad, . . . . . 12,507.68               |
| " " repairs and improvem'ts, 1,639.52                | Transit duties received from Dela-                 |
| Interest on loans, . . . . . 1,585.85                | ware and Raritan Canal, . . . . . 18,468.69        |
| Militia, . . . . . 30.00                             | Transit duties from Camden and Am-                 |
| Postage, . . . . . 118.12                            | boy Railroad, . . . . . 26,745.23                  |
| Printing, . . . . . 7,248.97                         | Dividends on sundry stocks, . . . . . 21,000.00    |
| Salaries of State officers, . . . . . 15,247.76      | Peddler's licenses, . . . . . 1,210.00             |
| Inquisition, . . . . . 1,040.62                      | Tax on capital stock of N. J. Railroad, 4,000.00   |
| Commissioners for building Lunatic                   | Do. of Paterson and Hudson Railroad, 1,250.00      |
| Asylum, . . . . . 32,654.00                          | State tax of 1846, the balance remain-             |
| Managers of Lunatic Asylum, . . . . . 5,000.00       | ing unpaid at the close of that year, 22,680.31    |
| Commissioners for repairing State-                   | Interest received, . . . . . 809.18                |
| House, &c., . . . . . 4,359.79                       | Special loans, amounting in all to 42,000.00       |
| Commissioners for building new                       | Forfeited recognisances, . . . . . 475.00          |
| wing in the State Prison, . . . . . 5,000.00         | Tax on insurance premiums, . . . . . 67.99         |
| Court of Errors and Appeals, . . . . . 1,813.90      | State tax for the year 1847, . . . . . 20,000.00   |
| Instruction to the Blind, . . . . . 2,229.86         | State Prison, surplus earnings, . . . . . 1,639.52 |
| State Arsenal, . . . . . 832.50                      | Bond and mortgage transferred to                   |
| Legislature, . . . . . 16,259.08                     | the School Fund, . . . . . 3,084.44                |
| Library, . . . . . 511.49                            | Total, . . . . . 184,711.84                        |
| Special loan, . . . . . 35,000.00                    |  |

|  |             |
|--|-------------|
| The loans, during the year past, amount to the sum of . . . . .  | \$42,000.00 |
| Of which there has been paid . . . . .   | 5,000.00    |
| Showing the present indebtedness of the State to be . . . . .  | 37,000.00   |
| Toward paying off this indebtedness, without resorting to funds con-<br>sidered permanent, there is the balance in the Treasury, . . . . | \$12,314.78 |
| State tax due and unpaid, . . . . .  | 15,402.00   |
| Bonds and mortgages, authorized to be transferred to the School Fund, .  | 6,168.88    |
|  | 33,885.66   |
| Leaving a balance against the State of only . . . . .  | 3,114.34    |

## IX. PENNSYLVANIA.

## GOVERNMENT

For the Year 1849.

|   | Salary.                       |
|---|-------------------------------|
| *WILLIAM F. JOHNSON, of Armstrong Co., <i>Governor (ex officio, as</i>          |                               |
| Speaker of the Senate), until the 3d Tuesday in Jan., 1849,                     | \$3,000                       |
| †Townsend Haines, of Chester Co., <i>Sec. of State &amp; Sup. Com. Schools,</i> | 1,700                         |
| †Alexander Russel, of Bedford Co., <i>Dep. Secretary of State,</i>              | 1,000                         |
| Arnold Plumer, of Westmoreland Co., <i>State Treasurer,</i>                     | 1,400                         |
| J. N. Purviance, of Butler Co., <i>Auditor-General,</i>                         | 1,400                         |
| John Laporte, of Bradford Co., <i>Surveyor-General,</i>                         | 1,200                         |
| Thomas J. Rehner, of Berks Co., <i>Deputy Surveyor-General,</i>                 | 1,000                         |
| Geo. W. Bowman, of Bedford Co., <i>Adjutant-General,</i>                        | 300                           |
| Wm. F. Packer, of Lycoming Co., <i>Speaker of the House.</i>                    |                               |
| James Burns, of Mifflin Co.,  | } <i>Canal Commissioners.</i> |
| William Power, of Alleghany Co.,  |                               |
| Morris Longstreth, of Montgomery Co.,   |                               |

## JUDICIARY.

## Supreme Court.

|                                       |   |               |
|---------------------------------------|---|---------------|
| John B. Gibson, of Carlisle,          | <i>Chief Justice,</i>                         | \$3,666.67    |
| Molton C. Rogers, of Lancaster,       | <i>Associate Justice,</i>                     | 2,400         |
| Thomas Burnside, of Centre Co.,       | "   | 1,600         |
| Richard Coulter, of Westmoreland Co., | "   | 1,600         |
| Thomas S. Bell, of Chester Co.,       | "   | 1,600         |
| †James Cooper, of Adams Co.,          | <i>Attorney-General,</i>                      | \$300 & fees. |
| Joseph S. Cohen,                      | <i>Prothonotary for the Eastern District,</i> | Fees.         |
| Wm. McCanless,                        | " " <i>Western</i>                            | "             |
| P. C. Sedgwick,                       | " " <i>Middle</i>                             | "             |
| Charles Pleasants,                    | " " <i>Northern</i>                           | "             |

The judges of the Supreme Court appointed before 1843 have four dollars a day while engaged in holding court or travelling to and from the same. Those appointed since, and whose salaries are \$1,600, have three dollars a day while thus engaged, as a full allowance for travelling expenses. They hold court in bank, once a year, in four several districts;—1st, for the Eastern District, at Philadelphia; 2d, for the Middle District,

\* Governor Shunk resigned, July 9, 1848, on account of ill health.

† Appointments by the present Executive.

at Harrisburg; 3d, for the Northern District, at Sunbury; 4th, for the Western District, at Pittsburg.

### *District Courts.*

There are four District Courts, which are invested with the civil jurisdiction of the Common Pleas in their respective districts in all cases exceeding a certain amount.

|  | Salary. |
|--|---------|
| George Sharswood, <i>Pres. Judge for City and Co. of Philadelphia,</i> | \$2,000 |
| John K. Findlay, <i>1st Ass't Judge</i> " " "                          | 2,000   |
| George M. Stroud, <i>2d Ass't Judge</i> " " "                          | 2,000   |
| Alex. L. Hayes, <i>Pres. Judge for City and Co. of Lancaster,</i>      | 2,000   |
| Hopewell Hepburn, <i>Pres. Judge for County of Alleghany,</i>          | 2 000   |
| Charles Shaler, <i>Judge</i> " "                                       | 2,000   |

### *Courts of Common Pleas.*

For the sessions of this court, the State is divided into 21 districts. The following is a list of the judges:—

| Districts.   | President Judges.    | Salary. |
|--|----------------------|---------|
| 1. Philadelphia, . . . . .   | Edward King,         | \$2,600 |
| <i>Judges, James Campbell, Anson N. Parsons, Wm. D. Kelley, each</i> |                      | 2,600   |
| 2. Lancaster, . . . . .  | Ellis Lewis,         | 1,600   |
| 3. Berks, Northampton, and Lehigh, . . . . .                         | J. Pringle Jones,    | 1,600   |
| 4. Centre, Clinton, and Clearfield, . . . . .                        | Geo. W. Woodward,    | 2,000   |
| 5. Alleghany, . . . . .  | Benjamin Patton,     | 2,500   |
| 6. Erie, Crawford, Venango, and Warren, . . . . .                    | Gaylord Church,      | 1,600   |
| 7. Bucks and Montgomery, . . . . .                                   | David Krause,        | 1,600   |
| 8. Northumberland, Lycoming, and Columbia, . . . . .                 | Joseph B. Anthony,   | 1,600   |
| 9. Cumberland, Perry, and Juniata, . . . . .                         | Samuel Hepburn,      | 2,000   |
| 10. Westmoreland, Indiana, Armstrong, and Cambria. . . . .           | Vacant.              |         |
| 11. Susquehanna, Wyoming, Wayne, and Pike, . . . . .                 | William Jessup,      | 2,000   |
| 12. Dauphin and Lebanon, . . . . .                                   | Nathaniel B. Eldred, | 1,600   |
| 13. Luzerne, Bradford, and Tioga, . . . . .                          | J. N. Conyngham,     | 2,000   |
| 14. Washington, Fayette, and Greene, . . . . .                       | Nathaniel Ewing,     | 1,600   |
| 15. Chester and Delaware, . . . . .                                  | William Chapman,     | 1,600   |
| 16. Franklin, Bedford, and Somerset, . . . . .                       | Jeremiah S. Black,   | 2,000   |
| 17. Beaver, Butler, and Mercer, . . . . .                            | John Bredin,         | 2,000   |
| 18. Potter, M'Kean, Warren, Jefferson, and Elk, . . . . .            | Alex. M. Calmont,    | 2,000   |
| 19. York and Adams, . . . . .  | Wm. N. Irvine,       | 1,600   |
| 20. Huntingdon, Mifflin, and Union, . . . . .                        | Abraham S. Wilson,   | 2,000   |
| 21. Monroe, Carbon, and Schuylkill, . . . . .                        | Luther Kidder,       | 1,600   |

### FINANCES.

The whole amount of absolute State debt is \$40,573,949.51. The annual interest on this debt is \$2,002,240.47. The value of the productive property owned by the State in December, 1847, was \$30,721,376.24. The value of State property, not now productive, is \$520,000.

|  |             |
|--|-------------|
| Total receipts during the year ending Nov. 30th, 1847, . . . . . | \$3,977,028 |
| Balance in Treasury, Nov. 30th, 1846, . . . . .                  | 394,678     |
| Total revenue, . . . . .   | 4,361,704   |
| Total expenditures during same period, . . . . .                 | 3,680,813   |
| Balance in Treasury, Nov. 30th, 1847, . . . . .                  | 680,891     |

| <i>Principal Items of Expenditure.</i> |               | <i>Chief Sources of Income.</i>           |              |
|--|---------------|---|--------------|
| Public improvements, . . .             | \$ 690,575.96 | Lands, . . . . .                          | \$ 15,293.04 |
| Expenses of government, . . .          | 200,113.37    | Auction commissions, . . . .              | 21,700.00    |
| Militia expenses, . . . . .            | 25,537.72     | Auction duties, . . . . .                 | 53,831.08    |
| Pensions and gratuities, . . .         | 24,850.11     | Tax on bank dividends, . . . .            | 128,307.13   |
| Charitable institutions, . . . .       | 29,000.00     | Tax on corporation stocks, . . .          | 124,355.56   |
| Common schools, . . . . .              | 196,804.04    | Tax on real and personal estate, .        | 1,380,781.19 |
| Loans, . . . . .                       | 209,064.46    | Tavern licenses, . . . . .                | 34,963.13    |
| Interest on loans, . . . . .           | 2,002,240.41  | Retailers' licenses, . . . . .            | 143,884.70   |
| Guaranty of interest, . . . . .        | 30,800.00     | Peddlers' licenses, . . . . .             | 2,291.04     |
| Domestic creditors' interest, . .      | 5,133.51      | Brokers' licenses, . . . . .              | 5,598.31     |
| Cancelled relief-notes, . . . .        | 150,000.00    | Militia fines, . . . . .                  | 11,990.37    |
| Damages on public works, . . .         | 12,467.21     | Tax on writs, &c., . . . . .              | 47,184.67    |
| State library, . . . . .               | 1,924.80      | Tax on certain offices, . . . . .         | 13,611.56    |
| Public buildings and grounds, . .      | 1,802.37      | Collateral inheritance tax, . . .         | 42,743.58    |
| Eastern reservoir and outlet lock, .   | 33,066.56     | Canal and railroad tolls, . . . .         | 1,587,995.61 |
| Penitentiaries, . . . . .              | 14,215.00     | Canal fines, sales of old materials, &c., | 5,018.07     |
| House of Refuge, . . . . .             | 4,000.00      | Tax on enrolment of laws, . . . .         | 3,420.00     |
| Nicholson lands, . . . . .             | 1,751.54      | Tax on loans, . . . . .                   | 118,977.90   |
| Abatement of State tax, . . . .        | 40,369.57     | Loans, . . . . .                          | 290,069.69   |
| Miscellaneous, . . . . .               | 6,067.12      | Dividends on turnpike, &c., stocks, .     | 1,078.79     |
|  | 3,689,813.74  | Nicholson lands, . . . . .                | 1,761.35     |
|  |               | Accrued interest, . . . . .               | 2,043.50     |
|  |               | Miscellaneous, . . . . .                  | 11,207.45    |
|  |               |   | 3,977,025.89 |

During the year, all accruing liabilities, including \$2,002,240.47 interest on the public debt, have been met. During the last three years, the taxes have been cheerfully and promptly paid. No loans have been made; the public liabilities have been met; the revenues have increased from nearly all sources, and the public debt is diminishing. It is the first time since the commencement of the internal improvement system, that the permanent revenues accruing within the year, unaided from any other source, have exceeded or been equal to the demands upon the treasury.

*Common Schools.*—The whole number of school-districts in the State, exclusive of the city and county of Philadelphia, for the year ending June 7, 1847, was 1,249. Of these, 1,054 contributed to the support of schools, and 1,048 made reports. The whole number of schools was 7,320. The average number of months taught was 4.22. Number of male teachers, 5,907, at an average monthly pay of \$16.73. Number of female teachers, 2,767, at an average monthly pay of \$10.20. Number of male scholars, 183,844; of female scholars, 148,123. There were 6,607 studying German. The average number of scholars in each school was 45½, and the cost of teaching each scholar per month, 42 cents. The amount of tax levied was \$436,727.80; received from the State appropriation, \$187,269.50. The cost of instruction was \$450,515.77; of fuel and contingencies, \$36,685.80; of school-houses, repairs, &c., \$60,410.82.

*Eastern State Penitentiary of Pennsylvania.*—Whole number of prisoners, Jan. 1, 1848, 294; of which number 278 were males and 16 females; 211 were whites, and 83 colored persons. Number of discharges during the year 138, of which 101 were discharged by expiration of sentence, 26 by pardon, 2 by Supreme Court, on writ of error, 1 committed suicide, and 8 died of disease. The whole number of prisoners during the year was 432. Percentage of deaths, 0.98 of whites, 4.76 of colored persons. Of 124 prisoners received during the year, 50 were natives of Pennsylvania, 46 of other States, and 28 were foreigners. 1 was committed for 10 years, and all the others for a shorter term. 10 cases of insanity occurred during the year. Number of prisoners received since the opening of the Penitentiary, Oct. 25, 1829, 2,300; discharged by expiration of sentence, 1,536; do. by pardon, 265; died, 194; escaped, 1; hanged, 1; suicide, 3; writ of error, 3; removed to House of Refuge, 1; sen-

tence changed, 1; habeas corpus, 1. Number remaining, 294. Ages of prisoners:—less than 20, 283; 20 to 30, 1,139; 30 to 40, 503; 40 to 50, 252; 50 to 60, 84; 60 to 70, 31; 70 to 80, 8. Committed for larceny, burglary, and horse-stealing, 1,637; for murder in the first and second degree and manslaughter, or assaults with intent, &c., 166; for offences against social morals, as rape, &c., 76; for all other crimes, 421. Natives of Pennsylvania, 1,086; of other States, 787; foreigners, 428. Number of first-comers, 1,643; second do., 408; third do., 151; fourth do., 57; fifth do., 21; sixth do., 17; seventh do., 1; ninth do., 2.

## X. DELAWARE.

### GOVERNMENT

*For the Year 1849.*

|                      |                 |  | Salary.      |
|----------------------|-----------------|--|--------------|
| WILLIAM THARP,       | of Smyrna,      | Governor (term of office expires on the 3d Tuesday in Jan., 1851), | \$1,333½     |
| Daniel M. Bates,     | of Dover,       | Secretary of State,  | Fees and 400 |
| James S. Buckmaster, | of Frederica,   | State Treasurer,   | 500          |
| Abraham Staats,      | of Fieldsboro', | Auditor,   | 500          |

### JUDICIARY.

#### *Superior Court.*

|                       |                |                    |              |
|-----------------------|----------------|--------------------|--------------|
| James Booth,          | of Newcastle,  | Chief Justice,     | \$1,200      |
| Samuel M. Harrington, | of Dover,      | Associate Justice, | 1,200        |
| John J. Milligan,     | of Wilmington, | "                  | 1,000        |
| Edward Wootten,       | of Georgetown, | "                  | 1,000        |
| Edward W. Gilpin,     | of Wilmington, | Attorney-General,  | Fees and 500 |

#### *Court of Chancery.*

|                     |               |             |       |
|---------------------|---------------|-------------|-------|
| Kensley Johns, Jr., | of Newcastle, | Chancellor, | 1,100 |
|---------------------|---------------|-------------|-------|

#### *Orphans' Court.*

|                     |                |                    |       |
|---------------------|----------------|--------------------|-------|
| Amos H. Wickersham, | of Newcastle,  | Register of Wills, | Fees. |
| John Raughley,      | of Dover,      | "                  | Fees. |
| William Dunning,    | of Georgetown, | "                  | Fees. |

### FINANCES.

| <i>Receipts.</i>          |             | <i>Expenditures.</i> |             |
|---------------------------|-------------|----------------------|-------------|
| State treasury, . . . . . | \$35,514.57 | State, . . . . .     | \$36,171.98 |
| School fund, . . . . .    | 45,239.74   | Schools, . . . . .   | 45,239.74   |

#### *Chief Sources of Income.*

|   |            |
|---|------------|
| Balance due the State on former settlement, . . . . . | \$5,531.32 |
| Bank tax, . . . . .                                   | 3,100.00   |
| Railroad tax . . . . .                                | 1,750.00   |
| Interest on loans, . . . . .                          | 6,069.52   |
| Bank dividends, . . . . .                             | 15,545.00  |
| Sheriffs, . . . . .                                   | 91.50      |
| Clerks of the peace, . . . . .                        | 2,193.36   |
| Secretary of State, . . . . .                         | 626.00     |
| Vacant lands, . . . . .                               | 317.87     |
| Interest on loan to Sussex county, . . . . .          | 300.00     |
| School fund, . . . . .                                | 45,239.74  |

#### *Principal Items of Expenditure.*

|  |            |
|--|------------|
| Executive, . . . . .                     | \$1,277.78 |
| Legislature, . . . . .                   | 6,295.64   |
| Allowances by the Legislature, . . . . . | 2,982.67   |
| Judiciary, . . . . .                     | 5,250.00   |
| Attorney-General, . . . . .              | 350.00     |
| School fund, . . . . .                   | 17,159.52  |
| Secretary of State, . . . . .            | 300.00     |
| Printing laws, journals, &c., . . . . .  | 1,016.98   |
| Treasurer, . . . . .                     | 375.00     |
| Auditor, . . . . .                       | 500.00     |
| Tax on State-House, . . . . .            | 8.00       |
| For schools, . . . . .                   | 45,239.74  |

*Resources of the State.*

|   |               |
|---|---------------|
| Invested capital (State and school), . . . . .      | \$ 425,052.45 |
| Taxes on corporations (annual), . . . . .           | 5,600.00      |
| Dividends and interest on loans (annual), . . . . . | 21,904.52     |
| Retailers and tavern licenses, " . . . . .          | 2,193.36      |
| Sundries, . . . . .                                 | 935.37        |

*Free Schools.*

| Counties.  | No. of Schools. | No. of Scholars. | Average length of School. Months. | Amount paid. |                     | Amount received. |                       |
|------------|-----------------|------------------|-----------------------------------|--------------|---------------------|------------------|-----------------------|
|            |                 |                  |                                   | For Tuition. | Contingen-<br>cies. | From School fund | Contribution and Tax. |
| Newcastle, | 72              | 5,557            | †10½                              | \$ 16,122.20 | \$ 3,022.11         | \$ 10,410.64     | \$ 9,354.46           |
| Kent,      | 49              | 3,876            | †9                                | 10,126.84    | 802.09              | 8,106.58         | 4,156.93              |
| Sussex,    | 79              | 4,379            | †6                                | 8,114.06     | 1,746.01            | 9,077.08         | 2,390.43              |
| Total,     | 200             | *13,812          | †8½                               | 34,363.10    | 5,570.21            | 27,594.30        | 15,901.82             |

*Poor, for the Year ending March 1, 1848.*

|                      |                    |                    |                            |
|----------------------|--------------------|--------------------|----------------------------|
| County of Newcastle. | Whole number, 351. | Cost, \$ 9,459.35. | Product of Farm, \$ 853.90 |
| " Kent,              | " 119.             | " 2,500.74.        | " 1,010.12                 |
| " Sussex,            | " 117.             | " 4,105.13.        | " 1,407.34                 |

*Crime, for the Year ending May, 1848.*

| Counties.  | Felonies. |        | Misdemeanors. |        | Aggregate. | Population in 1840. |        |            |
|------------|-----------|--------|---------------|--------|------------|---------------------|--------|------------|
|            | White.    | Black. | White.        | Black. |            | White.              | Black. | Aggregate. |
| Newcastle, | 2         | 7      | 11            | 1      | 21         | 26,808              | 7,314  | 34,120     |
| Kent,      | 3         | 3      | 6             | 1      | 13         | 13,628              | 6,294  | 19,922     |
| Sussex,    | 1         | 0      | 10            | 2      | 13         | 18,937              | 5,956  | 24,893     |
| Total,     | 6         | 10     | 27            | 4      | 47         | 59,371              | 19,564 | 78,935     |

There were, in addition to the returns for Newcastle county, 2 blacks convicted of felony, and 6 whites and 2 blacks convicted of misdemeanors, at the Mayor's Court of the city of Wilmington. This would change the above total to 6 whites and 12 blacks convicted of felonies, and 33 whites and 6 blacks of misdemeanors; being *one conviction of felony* for 10,000 white persons, and one in 4,500 of the whole present population.

## XI. MARYLAND.

## GOVERNMENT

*For the Year 1849.*

|                                |                  |                              | Salary. |
|--------------------------------|------------------|------------------------------|---------|
| PHILIP F. THOMAS,              | of Baltimore,    | Governor (term expires       |         |
| the 1st Monday in Jan., 1851), |                  | Use of a furnished house and | \$2,000 |
| William T. Wootten,            | of Pr. Geo. Co., | Secretary of State,          | 1,000   |
| Dennis Claude,                 | of Annapolis,    | Treasurer,                   | 2,500   |
| Thomas Karney,                 | of Annapolis,    | Examiner-General,            | 800     |
| G. R. Richardson,              | of Baltimore,    | Attorney-General,            | Fees.   |
| John S. Gittings,              | of Baltimore,    | Commissioner of Loans,       | Fees.   |
| George G. Brewer,              | of Annapolis,    | Register of the Land-Office, | Fees.   |
| Richard Swan,                  | of Annapolis,    | State Librarian,             | 1,000   |
| James Swan,                    | of Baltimore,    | Commissioner of Stamps,      | 750     |
| John N. Watkins,               | of Annapolis,    | Adjutant-General,            | 500     |

\* This is exclusive of Sunday school scholars, for whom the State pays twenty cents each.

† Nearly.

## JUDICIARY.

*Court of Chancery.*

|                 |               | Appointed. |                   | Salary.  |
|-----------------|---------------|------------|-------------------|----------|
| John Johnson,   | of Annapolis, | 1846,      | Chancellor,       | \$3,000  |
| Louis Gassaway, | Register.     |            | Cornelius M'Lean, | Auditor. |

*Court of Appeals.*

|                       |                      |                       |                     |         |
|-----------------------|----------------------|-----------------------|---------------------|---------|
| Thomas B. Dorsey,     | of Ellicott's Mills, | 1848,                 | Chief Judge,        | \$2,500 |
| Ezek. F. Chambers,    | of Chestertown,      | 1835,                 | Associate Judge,    | 2,200   |
| Ara Spence,           | of Snowhill,         | 1835,                 | "                   | 2,200   |
| Robert N. Martin,     | of Cumberland,       | 1845,                 | "                   | 2,200   |
| A. C. Magruder,       | of Pr. Geo. Co.,     | 1845,                 | "                   | 2,200   |
| William Frick,        | of Baltimore,        | 1848,                 | "                   | 2,200   |
| Richard W. Gill,      | of Annapolis,        |                       | Clerk and Reporter, | Fees.   |
| Nicholas Brice,       | Chief Judge,         | Baltimore City Court, |                     | \$2,400 |
| W. G. D. Worthington, | Associate Judge,     |                       |                     | 1,500   |
| Alexander Nisbet,     | "                    |                       |                     | 1,500   |

The State is divided into six judicial districts, each comprising two, three, or four counties. For each district there are a chief judge and two associates, who constitute the County Courts for the respective counties in the district. These are the common law courts of original jurisdiction in the State; and they have jurisdiction of all claims for \$50 and upwards, appellate jurisdiction from the judgment of justices of the peace, and equity jurisdiction within the counties, coextensive with the chancellor. The six chief judges constitute the Court of Appeals for the State, which has appellate jurisdiction of cases at law and in equity, originating in the County Courts, the Orphans' Courts (of which there is one in each county), and the Court of Chancery.

## FINANCES.

|   |                 |
|---|-----------------|
| Whole amount of receipts for the year 1847, . . . . . | *\$1,374,903.92 |
| Balance in the treasury Dec. 1st, 1846, . . . . .     | 148,048.41      |
| Total amount expended in 1847, . . . . .              | \$1,522,952.33  |
| Balance in the treasury, Dec. 1, 1847, . . . . .      | 1,194,452.87    |
|   | 328,499.46      |

This sum is subject to charges to the amount of \$101,279.15, which leaves the balance of \$227,220.31 available to meet future demands on the treasury.

| <i>Chief Sources of Income.</i>              |             | <i>Principal Items of Expenditure.</i>      |              |
|--|-------------|---|--------------|
| Dividends on stocks, . . . . .               | \$75,541.33 | Interest on public debt, . . . . .          | \$926,666.74 |
| Direct taxes, . . . . .                      | 769,821.88  | Legislature, . . . . .                      | 48,882.03    |
| Other taxes, . . . . .                       | 54,587.69   | Judiciary, . . . . .                        | 38,251.33    |
| Auction duties, . . . . .                    | 21,859.26   | Civil offices, . . . . .                    | 10,893.41    |
| Auction licenses, . . . . .                  | 6,850.00    | Colleges, academies, and schools, . . . . . | 19,531.96    |
| Railroads, . . . . .                         | 73,303.46   | Pensions, . . . . .                         | 7,193.51     |
| Susq. and Tide-water Canal Comps., . . . . . | 66,550.00   | Militia, . . . . .                          | 1,253.24     |
| Licenses by County Courts, . . . . .         | 123,675.94  | Public buildings, . . . . .                 | 3,503.51     |
| Live-stock sales, . . . . .                  | 10,090.67   | Common schools, . . . . .                   | 34,069.28    |
| Stamps, . . . . .                            | 53,458.32   | State colonization, . . . . .               | 10,000.00    |
| State lotteries, . . . . .                   | 17,992.90   | Tobacco warehouses in Baltimore, . . . . .  | 59,371.59    |
| Stamps on lottery tickets, . . . . .         | 17,302.16   |   |              |
| State tobacco inspection, . . . . .          | 10,490.34   |   |              |

\* Of this sum \$723,610.20 was received in coupons.



*Debt of the State.*—The amount of bonds and stocks constituting the nominal debt of the State of Maryland, inclusive of all the arrears of interest to be funded, is \$16,175,062. But of this, bonds for \$3,200,000 are in the hands of the Baltimore and Ohio Railroad Company, and the interest on them, in case they should ever be used by that company, is secured beyond all danger, because the immense receipts of the road are, in that event, according to a late decision of the Court of Appeals, to be first applied to the payment of that interest, in preference to the extension, construction, or even repairs of the road. The State also holds in the Baltimore and Ohio Railroad and the Washington Branch stock amounting to \$1,050,000, from which she has received yearly, including the capitation tax, a much larger sum than the interest to be paid on the bonds issued by her to pay her subscriptions; and even without the dividends on the main stem, the State would still receive more than sufficient to cover her own liability on this account. The interest on \$1,000,000 loaned to the Susquehanna and Tide-water Canal Companies, it may now be safely said, will be fully provided for out of the receipts into the treasury from those companies; and that due on \$148,000, borrowed on account of the tobacco warehouses, is secured by the proceeds of inspections. These items together amount to \$5,348,000, the interest on which need not be provided for by taxation. This sum, deducted from \$16,175,062, the nominal amount of principal as stated above, leaves \$10,827,062 as the amount of public debt, the interest on which must be paid by taxation. But of this latter amount, \$1,642,934 is held by the State herself, under the name of the Sinking Fund, the interest on which is annually appropriated to the purchase of a further portion of the State stock or bonds. Deducting this from the \$10,827,062, it will appear that, if the sum of \$9,184,128 were now in the treasury, it would pay off all the debt of the State, for the interest on which it is necessary to lay taxes upon the people.

The Sinking Fund, Dec. 1, 1846, was \$1,515,227. Dec. 1, 1847, it was \$1,642,934. The increase, \$127,707, shows the decrease of the public debt in the last fiscal year. By the operation of this Sinking Fund, it may be stated, with absolute certainty, that, if the tax laws now on the statute-book remain unrepealed, and even if the revenue derived from them and from the public works does not hereafter increase at all beyond the present receipts, the whole debt will be discharged in less than twenty years. But the proceeds of the present taxes must increase, as they have increased from year to year, and the railroads and canals to which the State has so largely advanced her credit will inevitably become more productive, not only directly, by the payment of dividends, but indirectly, by promoting the accumulation of wealth and adding to the value of property.

On the 1st of January, 1848, the State resumed the payment of interest on her debt, and there is every reason to suppose that the whole interest will hereafter be paid as it falls due.

#### CITY OF BALTIMORE.

*Finances.*—The receipts into the treasury during the year ending Dec. 31, 1847, including a loan of \$70,000, were \$773,708.44. The payments for the same period were \$858,610.68, leaving a balance against the city of \$84,902.14. The total amount of real and personal property assessed for city purposes in 1848 was \$77,612,380, which is an increase over that of 1847 of \$2,691,235, and over that of 1846 of \$11,780,005.

*Public Schools.*—The whole number of scholars in 1847 was 6,339. The whole number in 1846 was 5,087; increase in 1847, 1,252. The whole number of teachers in 1847 was 91, of whom 39 were males and 52 females. The amount paid for teachers' salaries, music-teachers, rents, and incidental expenses, was \$66,760.21. The amount received from tuition was \$20,295.32; from all other sources, \$21,089.82. Total, \$67,054.08.

*Pauperism.*—During the year ending Dec. 31, 1847, there were admitted into the Almshouse 1,693 persons; 33 were born, making the total ingress 1,726. 735 were discharged, 269 died, 13 were bound out to service, and 723 eloped, leaving 620 in the Almshouse. Of the 1,726 admissions, 873 were natives of the United States and 853 were foreigners, and of the foreigners 431 were born in Ireland and 306 in Germany. Labor was done by the inmates to the amount of \$4,502.32. Produce was raised on the Almshouse farm to the val-

ue of \$5,918.44, and \$839.42 of extra work was done. The average increase of foreign paupers over the preceding year was 36½ per cent., and of city paupers 13½ per cent.

*Health of the City.*—During the year ending Dec. 31, 1847, there were 3,795 deaths, being an increase of 542 over the preceding year. Of these, 381 were stillborn; 866 were under 1 year of age; 420 between 1 and 2; 376 between 2 and 5; 173 between 5 and 10; and 4 over 100. 590 died of consumption; 587 of unknown infantile diseases; 249 of cholera infantum; 166 of scarlet fever; 127 of croup; 106 of ship fever; 29 of typhus fever; 104 of whooping-cough; 4 by violence; 3 by suicide; and 144 of old age. 1,966 were males and 1,829 females. 771 colored persons died, of whom 551 were free and 220 slaves. By the report of the vaccine physicians, it appears that there were 1,397 primary vaccinations and 403 revaccinations. 8,874 refused to be vaccinated.

## XII. VIRGINIA.

### GOVERNMENT

For the Year 1849.

|                     |   | Term ends.                   | Salary.  |
|---------------------|---|------------------------------|----------|
| WILLIAM SMITH,      | of Fauquier Co., <i>Governor</i> ,                      | Jan. 1, 1849,                | \$ 3,333 |
| *John F. Wiley,     | of Amelia Co., <i>Councillor of State</i> ,             | Mar. 31, '49,                | 1,000    |
| John M. Patton,     | of Richmond, " "  | Mar. 31, '50,                | 1,000    |
| Raleigh T. Daniel,  | of Richmond, " "  | Mar. 31, '51,                | 1,000    |
| Fabius M. Lawson,   | of Richmond, <i>Treasurer</i> ,                         |                              | 2,000    |
| James E. Heath,     | of Richmond, <i>Auditor of Public Accounts</i> ,        |                              | 2,000    |
| James Brown, Jr.,   | of Richmond, <i>2d Aud. &amp; Sup't Literary Fund</i> , |                              | 2,000    |
| Stafford H. Parker, | of Richmond, <i>Register of the Land-Office</i> ,       |                              | 2,000    |
| Sidney S. Baxter,   | of Richmond, <i>Attorney-General</i> ,                  | Fees and                     | 1,000    |
| W. H. Richardson,   | of Henrico Co., <i>Secretary of the Commonwealth</i> ,  |                              |          |
|                     | <i>Adjutant-Gen., and Librarian</i> ,                   |                              | 1,720    |
| Thomas F. Lawson,   | of Richmond, <i>Clerk of the Council</i> ,              |                              | 1,300    |
| Charles S. Morgan,  | of Richmond, <i>Superintendent of Penitentiary</i> ,    |                              | 2,000    |
| Edward P. Scott,    |   | <i>Speaker of Senate.</i>    |          |
| James F. Strother,  |   | <i>Speaker of the House.</i> |          |
| George W. Mumford,  |   | <i>Clerk of the House.</i>   |          |

The Governor, Treasurer, Auditor, 2d Auditor, and Register of the Land-Office are, *ex officio*, members of the Board of Public Works, Literary Fund, and Northwestern and Southwestern Turnpike Roads. They do not receive extra compensation for this service.

### JUDICIARY.

*Court of Appeals.*

|                     |   | Elected. | Salary.  |
|---------------------|---|----------|----------|
| William H. Cabell,  | of Richmond, <i>President</i> ,                     | 1830,    | \$ 2,750 |
| Francis T. Brooke,  | of Spotsylvania Co., <i>Judge</i> ,                 | 1830,    | 2,500    |
| John J. Allen,      | of Botetourt Co., " "                               | 1840,    | 2,500    |
| Briscoe G. Baldwin, | of Staunton, " "                                    | 1842,    | 2,500    |
| William Daniel,     | of Lynchburg, " "                                   | 1846,    | 2,500    |
| Joseph Allen,       | of Richmond, <i>Clerk of the Eastern Circuit</i> ,  |          | 1,000    |
| John A. North,      | of Lewisburg, <i>Clerk of the Western Circuit</i> , |          | 1,000    |

\* Acting Lieutenant-Governor in the absence of the Governor.

The judges are entitled to receive, in addition to their salaries, 25 cents a mile for necessary travel. The Court of Appeals holds two sessions annually; one at Lewisburg, Greenbrier county, for the counties lying west of the Blue Ridge, commencing on the 2d Monday in July, and continuing 90 days, unless the business shall be sooner despatched; the other at Richmond, for the counties lying east of the Blue Ridge, commencing at such times as the court may from time to time appoint.

**General Court.**—The State is divided into ten judicial districts, and each district into two circuits, except the 4th, which has three. The 3d circuit of the 4th district is the 21st district of the State, containing but a single court, called the "Circuit Superior Court of Law and Chancery for the County of Henrico and City of Richmond." In this court there are two judges; one on the law side, with a salary of \$1,800; the other on the chancery side, with a salary of \$2,000. On the disqualification of either of the two judges now attached to this court, his duties are to devolve on the other, without increase of salary. In the other circuits, each judge has chancery and common law jurisdiction, with a salary of \$1,500, and \$4 for every 20 miles of necessary travel.

A Circuit Superior Court of Law and Chancery is held twice every year in each county, and in some corporations. The judges who hold the Circuit Courts are also required to hold, every year, two terms of the General Court, in the Capitol at Richmond. Fifteen of the judges attend the court, eleven of whom form a quorum. One term begins the last Monday in June, and the other on the last Monday in December. The judges are arranged in four classes of five judges each, one of which is exempt in rotation from attending the court. The General Court has appellate jurisdiction in the last resort in criminal cases; also, original jurisdiction of probates and administrations; and where the judges of the Court of Appeals proper are disqualified by interest, or otherwise, some of them sit as a Special Court of Appeals.

**County Courts.**—A court sits in each county every month, held by four or more justices of the peace. These courts, held by plain farmers or country gentlemen, have a jurisdiction wider than that of any other court in the State. Any one justice can hold a court in cases under \$20 in value. At the monthly or quarterly sessions, held by four or more justices, deeds and wills may be proved, and chancery matters and suits at common law be heard, — with a right of appeal to a superior court. These courts, exclusively, try slaves for all offences; and they examine free persons charged with felony, previously to their trial in the Circuit Court. Free negroes and Indians are on the same footing with slaves.

#### *Special Court of Appeals.*

| <i>Judges.</i>       | <i>Residence.</i> | <i>Judges.</i>      | <i>Residence.</i>   |
|----------------------|-------------------|---------------------|---------------------|
| 1. Richard H. Baker, | of Nansemond Co.  | 4. J. B. Christian, | of Charles City Co. |
| 2. John W. Nash,     | of Powhatan Co.   | 5. John T. Lomax,   | of Fredericksburg.  |
| 3. Geo. P. Scarburg, | of Accomac.       | 6. John Scott,*     | of Fauquier Co.     |

\* Judge Scott is also judge of the Superior Court of the Alexandria District, and receives for this duty \$500 additional salary.

| <i>Judges.</i>         | <i>Residence.</i> | <i>Judges.</i>            | <i>Residence.</i> |
|------------------------|-------------------|---------------------------|-------------------|
| 7. John B. Clopton,    | of Richmond.      | 15. Benjamin Estell,      | of Wythe Co.      |
| 8. Daniel A. Wilson,   | of Cumberland Co. | 16. James E. Brown,       | of Wythe Co.      |
| 9. William Leigh,      | of Halifax Co.    | 17. Edward Johnston,      | of Botetourt Co.  |
| 10. N. M. Taliaferro,  | of Franklin Co.   | 18. George H. Lee,        | of Harrison Co.   |
| 11. Richard H. Field,  | of Culpeper Co.   | 19. D. W. McComas,        | of Wythe Co.      |
| 12. L. P. Thompson,    | of Staunton.      | 20. Joseph L. Fry,        | of Wheeling.      |
| 13. Isaac R. Douglass, | of Morgan Co.     | 21. { Philip N. Nicholas, | of Richmond.      |
| 14. Daniel Smith,      | of Rockingham Co. | { John Robertson,         | do.               |

## FINANCES

*For the Year ending November, 1847.*

|                                      |                        |
|--------------------------------------|------------------------|
| Amount of internal improvement debt, | \$ 5,997,318.69        |
| Amount of subscription to banks,     | 450,107.00             |
|                                      | <u>\$ 6,447,425.69</u> |

\$ 5,367,125.69 of this stock pays 6 per cent. interest; \$ 1,055,000 pays 5 per cent.; \$ 25,300 pays 5½ per cent.; \$ 2,140,659.21 of this debt is held by Great Britain. \$ 55,400 in France and Germany, and the balance in this country, mostly in Virginia. In addition to this the State is indebted, —

|                                |                     |
|--------------------------------|---------------------|
| By the Literary Fund,          | \$ 1,010,506.50     |
| Board of Public Works,         | 337,032.41          |
| Commissioners of Sinking Fund, | 85,337.50           |
|                                | <u>1,432,876.41</u> |

Making whole of absolute State debt, \$ 7,880,302.10.

|   |                      |
|---|----------------------|
| The productive property of the State, consisting of stocks and debts due it | \$ 6,044,041.03      |
| Property not now productive,  | 4,395,361.05         |
| Total funds held by the State,  | <u>11,039,422.13</u> |

The net receipts from taxes during the year was \$ 573,490.56, being an increase over the previous year of \$ 23,132.03.

| <i>Principal Items of Expenditure.</i>  | <i>Chief Sources of Income.</i>                   |
|---|---|
| General Assembly,                       | \$ 93,448.99 Taxes on land, slaves, horses, &c.,  |
| Officers of government,                 | 82,935.61 and on licenses, &c.,                   |
| Criminal charges,                       | 56,292.53 \$ 568,962.87                           |
| Contingent expenses of courts,          | 30,799.48 Taxes on law process and courts,        |
| Militia, officers, contingent, military | 25,337.66   |
| school, public guard, &c.,              | 4,672.14 Taxes on notarial seals,                 |
| Commissioners of the Revenue,           | 33,422.10 Taxes on business in Register's office, |
| Lunatics,                               | \$ 52,893.18 5,271.03                             |
| Deaf and dumb, and blind,               | 26,832.39 79,725.48 Taxes on the great seal,      |
| Southwestern Road,                      | 70,000.00 47.50                                   |
| Public roads,                           | 8,618.34 Militia fines,                           |
| Board of Public Works,                  | 150,000.00 11,881.25                              |
| Volunteers,                             | 16,824.97 Tobacco inspection and storage,         |
| James River and Kanawha Co.,            | 59,159.36 8,068.30                                |
| Interest on public debt,                | 51,912.07 Sale of waste land,                     |
| Repairs of Capitol,                     | 9,332.48 5,866.79                                 |
| State Court-house,                      | 9,236.24 Redemption of land delinquent for        |
| Criminal and civil codes,               | 4,022.28 non-payment of taxes,                    |
| Revolutionary half-pay claims,          | 3,397.59 1,370.36                                 |
| Cincinnati Fund,                        | 4,482.00 Dividends on bank-shares and inter-      |
| Washington Monument Fund,               | 7,052.00 est on bond,                             |
| Miscellaneous,                          | 23,019.19 183,061.58                              |
|   | 859,967.97 Tax on dividends,                      |
|   | 4,953.05  |
|   | Tax on salaries from 2d Audit. office,            |
|   | 29.20   |
|   | Miscellaneous,                                    |
|   | 19,021.00   |
|   | Washington Monument Fund,                         |
|   | 7,054.11  |
|   | Cincinnati Fund,                                  |
|   | 4,561.92  |
|   | 850,178.76  |
|   | Balance, Oct. 1, 1846,                            |
|   | 136,925.91  |
|   | <u>987,104.67</u>                                 |

*Taxes for 1847.*

|   |  |
|---|--|
| Tax on lots, . . . \$57,001.95                      | Ferries, . . . . . \$237.64                  |
| Lands, . . . . 191,413.17 \$248,415.12              | Newspapers, . . . . . 330.50                 |
| 252,317 slaves, at 32 cents, . . . 80,741.44        | Collateral inheritances, . . . . 694.83      |
| 315,924 horses, &c., at 10 cts., . . 31,592.40      |  |
| 9,378 gold watches, at \$1, . . . 9,378.00          |  |
| 4,332 pat. lev. silv. watches, at 50 cts., 2,166.00 | Licenses to merchants, &c., . . \$108,164.94 |
| 12,961 silver watches, at 25 cts., . 3,240.25       | “ peddlers, . . . . . 5,351.28               |
| 26,018 metallic clocks, at 25 cts., . 6,504.50      | “ ordinary keepers, . . . 19,913.69          |
| 26,668 other clocks, at 12½ cts., . 4,582.25        | “ houses of private enter-                   |
| 12,865 carriages, at 1½ per cent., . 21,413.05      | tainment, . . . . . 3,574.34                 |
| 85 stages, “ “ . . . . . 231.83                     | “ venders of lottery tick., 20,000.00        |
| 2,089 carryalls, “ “ . . . . . 1,438.56             | “ exhibitors of shows, . . . 864.00          |
| 3,845 gigs, “ “ . . . . . 1,963.71                  | “ insurance offices, . . . 2,991.67          |
| 3,318 pianos, “ “ . . . . . 7,594.54                | “ owners of stallions, . . . 4,970.00        |
| Gold or silver plate, . . . . . 2,488.82            | “ dentists, additional, . . . 10.00          |
| Interest on money lent, . . . . . 12,381.58         | “ billiard-tables, . . . . . 2,099.89        |
| Income tax over \$400, . . . . . 4,209.70           | “ ten-pin alleys, . . . . . 710.55           |
| Attorneys, . . . . . 5,160.00                       |  |
| Physicians, . . . . . 7,535.00                      | Expenses of collection, \$42,000             |
| Dentists, . . . . . 340.00                          | Insolvents, . . . . . 6,000                  |
| Bridges, . . . . . 160.50                           |  |
|   | 48,000.00                                    |
|   | 573,490.58                                   |

*Schools.* — Number of schools in 121 counties and towns, 3,718; number of poor children in 124 counties and towns, 55,935; total number of children educated in 127 counties and towns, 29,122. Amount expended for tuition of poor children, including books, compensation to officers, and all other expenses, \$70,306.08. Average actual attendance of each poor child at common schools, 58½ days, equal to nearly 12 weeks. Average amount paid for tuition of each poor child, \$2.53. Average cost per diem of tuition and expenses of each poor child, 4½ cents.

*Western Asylum for the Insane.* — Dr. Francis T. Stribling, Physician and Superintendent. — There have been in the asylum during nine months, ending Sept. 30, 1847, 266 patients; of whom 142 were males, and 114 females. Of these 217 were patients at the commencement of the year, and 39 (19 males and 20 females) have been since admitted. At the date of the report, Sept. 30, 1847, there were 207 patients, — 121 males, and 86 females. 49 were discharged during the nine months, of whom 23 had recovered and 5 improved; 2 were unimproved; 18 died, and 1 eloped. Of all cases since July 1, 1836, 37 per cent. recovered; and of all recent cases, 72.05 per cent. Of 20 cases of insanity of long standing when admitted to the asylum, the aggregate period of insanity was 330 years; average period 16½ years; the whole expense, \$52,374; average expense, \$2,619. Of 20 cases of recent insanity, the aggregate period of insanity was 14 years 9½ months; average period, 8 months 26 days; whole expense, \$2,171.36½; average expense, \$108.56. Receipts, 9 months, \$26,456.97; disbursements, \$22,545.70.

*Eastern Asylum for the Insane.* — John M. Galt, Superintendent and Physician. — Receipts for nine months, ending Sept. 30, 1847, \$23,239.97. Disbursements for the same period, \$14,692.57, to which should be added a considerable amount of unpaid accounts. Whole number of patients, 183; viz. 104 males and 79 females. Number of patients, Sept. 30, 1847, 164; viz. 91 males, and 73 females. Discharges, 12; viz. 8 males and 4 females. Deaths, 7; viz. 5 males, and 2 females. 2 patients have been above thirty years in the asylum, and 44 have been inmates more than ten years.

*Congressional Districts in Virginia, created after each Census, from 1790 to 1840, with the Representative Population of each District.*

[The large figures denote the representative population.]

| Year.                           | 1st District.  | 2d District.  | 3d District.  | 4th District.   | 5th District.  | 6th District.   | 7th District.  | 8th District.  |
|---------------------------------|--|---|---|---|--|---|--|--|
| 1792.<br>Ratio<br>of<br>33,000. | Frederick & Berkeley.<br>36,522.   | Augusta, Rockingham, Shenandoah, Rockbridge, Bath.<br>33,983.   | Hampshire, Hardy, Pendleton, Harrison, Monongalia, Randolph, Ohio.<br>24,877. | Wythe, Greenbrier, Montgomery, Lee, Kanawha, Russell, Grayson, Wash'g'n.<br>27,491.         | Franklin, Bedford, Botetourt, Henry, Patrick.<br>33,404.                 | Halifax, Pittsylvania, Campbell.<br>29,574.                                       | Pr. Edward, Charlotte, Cumberland, Powhatan, Buckingham.<br>34,943.                          | Brunswick, Lunenburg, Greensville, Mecklenburg.<br>34,987.   |
| 1802.<br>Ratio<br>of<br>33,000. | Monongalia, Ohio, Brooke, Harrison, Wood, Randolph.<br>25,441.                                     | Berkeley, Jefferson, Hampshire.<br>28,014.  | Frederick, Shenandoah.<br>36,187.   | Rockingham, Hardy, Pendleton, Augusta, Bath.<br>36,019.                                     | Greenbrier, Rockbridge, Botetourt, Monroe, Kanawha.<br>29,789.           | Wythe, Montgomery, Washington, Tazewell, Russell, Grayson, Lee.<br>37,876.        | Loudoun, Pr. William, Fairfax.<br>39,981.  | Westmoreland, King George, Richmond, Lancaster, Stafford, Northumberland.<br>33,572.   |
| 1813.<br>Ratio<br>of<br>35,000. | Monongalia, Ohio, Brooke, Harrison.<br>36,139.   | Berkeley, Jefferson, Hampshire, Hardy.<br>35,945.   | Frederick, Shenandoah.<br>Same as in 1802.<br>33,238.                         | Rockingham, Bath, Augusta, Pendleton.<br>33,936.  | Montgomery, Botetourt, Rockbridge, Giles.<br>33,637.                     | Washington, Grayson, Wythe, Russell, Tazewell, Lee.<br>37,880.                    | Kanawha, Mason, Campbell, Randolph, Monroe, Greene, Wood.<br>24,922.                         | Same as the 7th in 1802.<br>Loudoun, &c.<br>39,234.  |
| 1823.<br>Ratio<br>of<br>40,000. | Norfolk, Pr. Anne, Norfolk Borough, Elizabeth City.<br>39,384.                                     | Sussex, Southampton, Surry, Isle of Wight, Pr. George, Greensville.<br>As 21st in 1813, and Pr. George and Elizabeth City.<br>45,573. | Powhatan, Amelia, Chesterfield, Nottingham, Petersburg.<br>41,151.            | Brunswick, Lunenburg, Dinwiddie, Mecklenburg.<br>As 18th in 1813, and Dinwiddie.<br>46,569. | Same as the 16th in 1813.<br>Pr. Edward, &c.<br>41,463.                  | Same as the 15th in 1813.<br>Halifax, &c.<br>46,637.                              | Same as the 14th in 1813.<br>Franklin, &c.<br>36,004.  | York, James City, Accomac, Gloucester, Williamsburg, Matthews, Northumb'nd, Warwick.<br>As 13th in 1813, except Middlesex & Elizabeth City.<br>42,174. |
| 1833.<br>Ratio<br>of<br>47,700. | Same as in 1823, with Isle of Wight, Norfolk, &c.<br>51,379.                                       | Sussex, Southampton, Prince George, Surry, Greensville, Petersburg.<br>47,310.  | Powhatan, Amelia, Goochland, Nottingham, Chesterfield.<br>44,278.             | Same as in 1823, Brunswick, &c.<br>47,093.  | Same as in 1823, Pr. Edward, &c.<br>44,895.                              | Same as in 1823, Halifax, &c.<br>60,382.  | Same as in 1823, Franklin, &c.<br>42,987.  | Same as in 1823, York, &c.<br>45,121.  |
| 1843.<br>Ratio<br>of<br>70,880. | I. of Wight, Nansemond, Pr. Anne, Norfolk Co., and Norfolk, Sussex, Surry, Southampton.<br>72,905. | Nottoway, Greensville, Mecklenburg, Brunswick, Amelia, Dinwiddie, Pr. George, Petersburg.<br>69,980.                                  | Pittsylvania, Henric, Patrick, Halifax, Franklin.<br>69,287.                  | Campbell, Buckingham, Charlotte, Pr. Edward, Cumberland, Lunenburg, Fluvanna.<br>76,138.    | Albemarle, Nelson, Bedford, Amherst, Madison, Greene, Orange.<br>71,924. | Henrico, Richmond, Chesterfield, Powhatan, Goochland, Hanover, Louisa.<br>78,321. | As in 1833 and Elizabeth City, Charles City, New Kent, Lancaster, Northumberland.<br>66,037. | Essex, King William, Middlesex, King & Queen, Richmond, Spotsylvania, Caroline, King George, Westmoreland.<br>69,540.                                  |

| Year.                           | 9th District.  | 10th District.   | 11th District.  | 12th District.   | 13th District.  | 14th District.   | 15th District.   | 16th District.  |
|---------------------------------|--|--|---|--|---|--|--|---|
| 1792.<br>Ratio<br>of<br>23,000. | Dinwiddie, Amelia,<br>Nottoway, Ches-<br>terfield.<br>35,796.                                  | Sussex, Southamp-<br>ton, Prince George,<br>Surry.<br>30,223.  | Norfolk, Pr. Anne,<br>Isle of Wight, Nan-<br>semond.<br>33,865.   | Elizabeth City, Ac-<br>comac, Northamp-<br>ton, York, War-<br>wick, Gloucester,<br>Mathews.<br>36,642.                             | Henrico, Hanover,<br>New Kent, Charles<br>City, James City.<br>33,338.                                  | Goochland, Fluvan-<br>na, Amherst, Alber-<br>marle.<br>32,465.   | Orange, Spotsylva-<br>nia, Madison, Lou-<br>isa.<br>23,672.  | King & Queen, King<br>William, Middle-<br>sex, Essex, Caro-<br>line.<br>36,826. |
| 1802.<br>Ratio<br>of<br>33,000. | Fauquier and Cul-<br>peper.<br>As the 18th in 1792,<br>except Stafford.<br>32,989.             | Orange, Madison,<br>Louisa, Spotsylva-<br>nia.<br>As the 15th in 1792.<br>36,072.                              | King William, King<br>and Queen, Essex,<br>Caroline.<br>As the 16th in 1792<br>except Middlesex.<br>34,593. | York, James City,<br>Middlesex, Eliza-<br>beth City, Glouces-<br>ter, Warwick, Ac-<br>comac, Matthews,<br>Northampton.<br>40,973.  | Franklin, Bedford,<br>Patrick, Henry.<br>As the 5th in 1792,<br>except Botetourt.<br>33,338.            | Halifax, Pittsylva-<br>nia, Campbell.<br>Same as the 6th in<br>1792.<br>32,465.  | Pr. Edward, Char-<br>lotte, Cumberland,<br>Buckingham.<br>As the 7th in 1792,<br>except Powhatan.<br>23,672. | Powhatan, Gooch-<br>land, Chesterfield,<br>Amelia.<br>36,826.                   |
| 1813.<br>Ratio<br>of<br>35,000. | Same as 8th in 1802.<br>Richmond, West-<br>moreland, &c.<br>35,586.                            | Same as 9th in 1802.<br>Fauquier and Cul-<br>peper.<br>34,188.   | Same as the 10th in<br>1802.<br>Orange, &c.<br>36,280.  | Same as the 11th in<br>1802.<br>King & Queen, &c.<br>35,908.   | Same as the 12th in<br>1802.<br>York, &c.<br>46,474.  | Same as the 13th in<br>1802.<br>Franklin, &c.<br>32,660.   | Same as the 14th in<br>1802.<br>Halifax, &c.<br>41,890.  | Same as the 15th in<br>1802.<br>Pr. Edward, &c.<br>42,673.                      |
| 1823.<br>Ratio<br>of<br>40,000. | Same as the 23d in<br>1813.<br>Henrico, &c.<br>40,705.   | Albemarle, Fluvan-<br>na, Amherst, Nel-<br>son, Goochland.<br>As the 22d in 1813,<br>and Goochland.<br>44,775. | Same as in 1813.<br>Orange, &c.<br>38,437.  | Same as the 16th in<br>1792, and as in<br>1813, and Middle-<br>sex.<br>King & Queen, &c.<br>40,965.                                | Same as the 9th in<br>1813.<br>Richmond, West-<br>moreland, &c.<br>33,717.                              | Same as the 8th in<br>1813.<br>Loudoun, &c.<br>37,613.   | Same as the 10th in<br>1813.<br>Fauquier and Cul-<br>peper.<br>35,793.                                       | Same as 2d in 1813,<br>with Morgan.<br>Berkeley, &c.<br>40,297.                 |
| 1833.<br>Ratio<br>of<br>47,700. | Same as the 12th in<br>1823.<br>King & Queen, &c.<br>41,027.                                   | Same as the 13th in<br>1823, and Pr. Wil-<br>liam. — Richmond,<br>Westmoreland, &c.<br>42,667.                 | Same as the 9th in<br>1823.<br>Henrico, &c.<br>45,794.  | Albemarle, Nelson,<br>Fluvanna, Louisa,<br>Amherst. As 22d<br>in 1813 and Louisa.<br>55,621.                                       | Culpeper, Madison,<br>Orange, Rappahan-<br>nock, Spotsylva-<br>nia.<br>50,196.                          | Loudoun, Fauquier,<br>Fairfax.<br>48,746.  | Morgan, Jefferson,<br>Berkeley, Hamp-<br>shire, Frederick.<br>57,539.  | Rockingham, She-<br>nandoah, Hardy,<br>Page, Pendleton,<br>Bath.<br>54,497.     |
| 1843.<br>Ratio<br>of<br>70,000. | Fauquier, Stafford,<br>Rappahannock, Pr.<br>William, Loudoun,<br>Fairfax, Culpeper.<br>74,740. | Same as the 15th in<br>1833, and Clarke,<br>Warren, and Page.<br>67,838.                                       | Rockingham, Pen-<br>dleton, Shenando-<br>ah, Hardy, Rock-<br>bridge, Augusta.<br>72,572.                    | Monroe, Botetourt,<br>Roanoke, Pulaski,<br>Montgomery Mer-<br>cer, Floyd, Giles,<br>hontas, Logan, Al-<br>legany, Bath.<br>66,932. | Washington, Scott<br>Lee, Russell, Car-<br>roll, Smythe, Gray-<br>son, Wythe, Taze-<br>well.<br>64,935. | Kanawha, Jackson,<br>Mason, Lewis, Ca-<br>bell, Wayne, Harri-<br>son, Braxton, Fay-<br>ette, Wood, Nicho-<br>las.<br>73,967. | Monongalia, Ohio,<br>Brooke, Marshall,<br>Marion, Randolph,<br>Tyler, Preston.<br>65,240.                    |   |

| Year.                           | 17th District.  | 18th District.   | 19th District.  | 20th District.   | 21st District.   | 22d District.   | 23d District.  |
|---------------------------------|---|--|---|--|--|---|--|
| 1792.<br>Ratio<br>of<br>33,000. | Loudoun, Fairfax,<br>Pr. William.<br>37,574.  | Culpeper, Fauquier,<br>Stafford.<br>42,025.  | Richmond, Lancaster,<br>Westmoreland,<br>Kg. George, North-<br>umberland.<br>28,771.      | Norfolk, Pr. Anne,<br>Nansemond, Nor-<br>folk Borough.<br>As the 11th in 1792,<br>except L. of Wight.<br>32,732. | Albemarle, Fluvan-<br>na, Amherst.<br>As the 14th in 1792,<br>except Goochland.<br>31,741. | Henrico, New Kent,<br>Charles City, Han-<br>over, City of Rich-<br>mond.<br>As the 13th in 1792,<br>except James City.<br>32,331. |  |
| 1802.<br>Ratio<br>of<br>33,000. | Brunswick, Lunen-<br>burg, Mecklen-<br>burg.<br>As 8th in 1792, ex-<br>cept Greensville.<br>34,310. | Dinwiddie, Greens-<br>ville, Pr. George,<br>Petersburg, Notto-<br>way.<br>29,799.          | Sussex, Southamp-<br>ton, Surry, Isle of<br>Wight.<br>32,305.                             | Same as the 19th in<br>1802.<br>Sussex, &c.<br>32,808.   | Same as the 20th in<br>1802.<br>Norfolk, &c.<br>35,550.                                    | Albemarle, Fluvan-<br>na, Amherst, Nel-<br>son.<br>As the 21st in 1802<br>and Nelson.<br>34,773.                                  | Same as the 22d in<br>1802.<br>Henrico, &c.<br>36,909. |
| 1813.<br>Ratio<br>of<br>35,000. | Same as the 16th in<br>1802.<br>Powhatan, &c.<br>29,347.  | Same as the 17th in<br>1802.<br>Brunswick, &c.<br>35,415.                                  | Same as the 18th in<br>1802.<br>Dinwiddie, &c.<br>32,347.                                 | Same as the 5th in<br>1813, with Allegha-<br>ny, Botetourt, &c.<br>35,974.                                       | Same as the 7th in<br>1813, with Lewis<br>and Nicholas,<br>Kanawha, &c.<br>43,240.         | Same as the 6th in<br>1813, with Scott,<br>Washington, &c.<br>43,550.   |  |
| 1823.<br>Ratio<br>of<br>40,000. | Same as the 3d in<br>1813.<br>Frederick and She-<br>nandoah.<br>40,000.                             | Same as the 1st in<br>1813, with Tyler<br>and Preston.<br>Monongalia, &c.<br>42,771.       | Same as the 4th in<br>1813, with Poca-<br>honias, Rockingham,<br>&c.<br>38,523.           | Harrison, Jackson,<br>Lewis, Wood, Ma-<br>son, Randolph, Po-<br>cathontas.<br>40,200.                            | Monongalia, Pres-<br>ton, Tyler, Ohio,<br>Brooke.<br>45,415.                               |   |  |
| 1833.<br>Ratio<br>of<br>47,700. | Rockbridge, Augus-<br>ta, Alleghany, Bo-<br>tetourt, Montgom-<br>ery, Floyd.<br>59,367.             | Washington, Gray-<br>son, Wythe, Scott,<br>Lee, Smythe, Taze-<br>well, Russell.<br>57,054. | Fayette, Nicholas,<br>Greenbrier, Giles,<br>Monroe, Logan,<br>Kanawha, Cabell.<br>42,337. |  |  |   |  |



## XIII. NORTH CAROLINA.

## GOVERNMENT

*For the Year 1849.*

|                                 |   |   | Salary.          |
|---------------------------------|---|---|------------------|
| CHARLES MANLY, of Hillsborough, | <i>Governor</i> (term of office, from Jan. 1, 1849, to Jan. 1, 1851), | A furnished house and                   | \$ 2,000         |
| William Hill,                   | of Raleigh,   | <i>Secretary of State,</i>              | \$ 800 and Fees. |
| Charles L. Hinton,              | of Wake Co.,  | <i>Treasurer,</i>                       | 1,500            |
| Stephen Birdsall,               | of Raleigh,   | <i>Clerk of the Treas. Dep.,</i>        | 500              |
| William F. Collins,             | of Chatham Co.,   | <i>Comptroller,</i>                     | 1,000            |
| Andrew Joyner,                  | of Halifax Co.,   | <i>Speaker of the Senate.</i>           |                  |
| Robert B. Gilliam,              | of Granville Co.,   | <i>Speaker of the House of Commons.</i> |                  |

*Council of State.* — John A. Anderson, of Hartford Co. ; David W. Saunders, of Onslow Co. ; John McLeod, of Johnston Co. ; Nathaniel M. Roan, of Caswell Co. ; James Lowry, of Buncombe Co. ; Absalom Myers, of Anson Co. ; and Josiah Cowles, of Surry Co.

Pay, \$3 *per diem* while in service, and \$3 for every 30 miles' travelling.

## JUDICIARY.

*Supreme Court.*

|                  |                  |                           | Salary.  |
|------------------|------------------|---------------------------|----------|
| Thomas Ruffin,   | of Orange Co.,   | <i>Chief Justice,</i>     | \$ 2,500 |
| Frederick Nash,  | of Hillsborough, | <i>Associate Justice,</i> | 2,500    |
| Wm. H. Battle,   | of Chapel Hill,  | "                         | 2,500    |
| James Iredell,   | of Raleigh,      | <i>Reporter,</i>          | 300      |
| Edm. B. Freeman, | of Raleigh,      | <i>Clerk.</i>             |          |
| James R. Dodge,  | of Morgantown,   | <i>Clerk.</i>             |          |

The Supreme Court holds three sessions in each year ; two in the city of Raleigh, — to wit, on the 2d Monday in June and the last Monday in December, — and one at Morgantown, on the first Monday of August, for the western part of the State ; and continues to sit at each term until all the business on the docket is determined, or continued upon good cause shown. It has power to hear and determine all cases in law and equity, brought before it by appeal, or by the parties. It has original and exclusive jurisdiction in repealing letters-patent, and also has power to issue all writs necessary and proper for the exercise of its jurisdiction.

*Superior or Circuit Courts.*

*Judges.* — Salary, \$ 1,950 each.

|                 |                  |
|-----------------|------------------|
| Thomas Settle,  | of Rockingham.   |
| John M. Dick,   | of Greensboro'.  |
| D. F. Caldwell, | of Salisbury.    |
| R. M. Pearson,  | of Surry Co.     |
| John L. Bailey, | of Hillsborough. |
| M. E. Manly,    | of Newbern.      |
| Augustus Moore, | of Edenton.      |

*Solicitors.*

|                     |                  |
|---------------------|------------------|
| Robert R. Heath,    | of Edenton.      |
| John S. Hawks,      | of Washington.   |
| Thomas S. Ashe,     | of Orange Co.    |
| John F. Poindexter, | of Fayetteville. |
| Hamilton C. Jones,  | of Rowan Co.     |
| Burgess S. Gaither, | of Ashville.     |

Barth. F. Moore, of Halifax Co., *Attorney-General.*

The judges of the Supreme and the Superior Courts are elected by joint ballot of both Houses of the General Assembly, to hold office during good behaviour. Their salaries cannot be diminished during continuance in office.

Salary of a solicitor, \$20 for each court which he attends, and fees for conviction. The Attorney-General receives, in addition, \$100 for each term of the Supreme Court which he attends.

The Superior Courts of Law, and the Courts of Equity, are held twice each year in every county of the State. There are seven circuits, of about ten counties each, which the judges ride alternately, never visiting, however, the same circuit twice in succession. The judges of these courts have complete equity jurisdiction.

#### FINANCES.

|   |              |
|---|--------------|
| Receipts from Nov. 1st, 1846, to Oct. 31st, 1847, . . . . . | \$251,717.65 |
| Expenditures during same period, . . . . .                  | 175,402.61   |
| Excess of receipts, . . . . .                               | 76,315.04    |

| <i>Chief Sources of Income.</i>         |             | <i>Principal Items of Expenditure.</i>           |            |
|---|-------------|--|------------|
| Internal improvement fund, . . . . .    | \$95,622.23 | Executive, . . . . .                             | \$6,635.00 |
| Public tax, . . . . .                   | 81,731.18   | Judiciary, . . . . .                             | 27,663.00  |
| Literary fund, . . . . .                | 20,824.78   | Public printing, . . . . .                       | 3,767.98   |
| State loan of Cape Fear Bank, . . . . . | 40,000.00   | Int. on Bal. and Gast. railroad bonds, . . . . . | 37,704.00  |
| Interest on railroad bonds, . . . . .   | 3,000.00    | Principal on do. . . . .                         | 30,000.00  |
| Bank tax, . . . . .                     | 7,138.00    | Interest on State loan, . . . . .                | 4,126.63   |
| Dividends, . . . . .                    | 3,189.14    | Mexican war, . . . . .                           | 11,523.03  |
| Attorney's licenses, . . . . .          | 320.00      | General Assembly, . . . . .                      | 40,630.00  |

*Debt of the State.*—This is contingent, and arises from indorsements by the State of bonds of railroad companies, to the amount of \$1,100,000. From this deduct \$13,000 for bonds not used, and \$110,000 for bonds paid; which reduces the amount for which the State may be liable to \$977,000.

*Deaf and Dumb.*—The corner-stone of the building for the North Carolina Institution for the Instruction of the Deaf and Dumb was laid April 14, 1848. The institution is in Raleigh, near the State-House. The grounds have an extent of four acres. The main building, when completed, will be 60 feet by 36, and four stories high. The two wings, each 36 by 22, will run at right angles from the main edifice, and will be three stories high.

## XIV. SOUTH CAROLINA.

### GOVERNMENT

#### For the Year 1849.

|                    |                 |                                   | Salary. |
|--------------------|-----------------|-----------------------------------|---------|
| *DAVID JOHNSON,    | of Columbia,    | Governor,                         | \$3,500 |
| *William Cain,     | of Pineville,   | Lieutenant-Governor.              |         |
| B. K. Hennegan,    | of Abbeville,   | Secretary of State,               | Fees.   |
| William C. Black,  | of Columbia,    | Comptroller-General,              | 2,000   |
| Jeremiah D. Yates, | of Charleston,  | Treasurer, Lower Division,        | 2,000   |
| *Francis P. Burt,  | of Pendleton,   | " Upper Division,                 | 1,600   |
| William F. Arthur, | of Columbia,    | Surveyor-General,                 | Fees.   |
| F. H. Elmore,      | of Charleston,  | Pres. Bank of the State of S. C., | 3,000   |
| John Gibbs,        | of Union Dist., | Superintendent of Public Works,   | 1,500   |
| W. E. Martin,      | of Grahamville, | Clerk of the Senate,              | 1,000   |
| Thomas W. Glover,  | of Orangeburg,  | Clerk of the House,               | 1,000   |

\* The term for which these officers were elected expired in December, 1848.

The Governor is elected by the Senate and House of Representatives jointly, to serve for two years, and is not reëligible until after the expiration of four years. In case of his death, or removal from office, the Lieutenant-Governor acts as Governor.

*Legislature.* — Assembles at Columbia, on the fourth Monday in November, annually. Representatives (124 in number) are chosen for two years, on a mixed basis of population and taxation. Pay \$3 a day, and 10 cents for every mile of travel. The Senate consists of 45 members, who are elected for four years; one half chosen every second year. Pay of Senators the same as that of Representatives.

#### JUDICIARY.

The judges and chancellors are elected by joint ballot of both Houses. They hold their commissions during good behaviour, and receive a compensation which can neither be increased nor diminished during their continuance in office. Repeated attempts have been made to limit their tenure to 65 or 70 years, but without success. A judge, or chancellor, may order a special court, and a chancellor may hear cases, by consent, at chambers.

#### *Chancellors in Equity.*

|                          |                | Appointed. | Salary.  |
|--------------------------|----------------|------------|----------|
| Job Johnston,            | of Newberry,   | 1830       | \$ 3,000 |
| Benjamin Faneuil Dunkin, | of Charleston, | 1837       | 3,000    |
| J. J. Caldwell,          | of Columbia,   | 1846       | 3,000    |
| G. W. Dargan,            | of Darlington, | 1847       | 3,000    |

#### *Judges of the General Sessions and Common Pleas.*

|                                     |                                       |      |                    |
|-------------------------------------|---------------------------------------|------|--------------------|
| John S. Richardson,                 | of Sumter,                            | 1818 | 3,500              |
| Josiah J. Evans,                    | of Society Hill,                      | 1829 | 3,000              |
| J. B. O'Neill,                      | of Newberry,                          | 1835 | 3,000              |
| D. L. Wardlaw,                      | of Abbeville,                         | 1841 | 3,000              |
| Edward Frost,                       | of Charleston,                        | 1844 | 3,000              |
| T. J. Withers,                      | of Camden,                            | 1847 | 3,000              |
| H. Bailey, of Charleston,           | <i>Attorney-General,</i>              |      | \$ 1,100 and fees. |
| A. M. McIver,                       | <i>Solicitor for Eastern Circuit,</i> |      | 900 and fees.      |
| J. N. Whitner,                      | " <i>Western</i> "                    |      | 900 and fees.      |
| Simeon Fair,                        | " <i>Middle</i> "                     |      | 900 and fees.      |
| T. N. Dawkins,                      | " <i>Northern</i> "                   |      | 900 and fees.      |
| J. D. Edwards,                      | " <i>Southern</i> "                   |      | 900 and fees.      |
| James A. Strobhart, of Grahamville, | <i>State Reporter,</i>                | 1847 | 1,500              |

*Law Court of Appeals and Equity Court of Appeals.* — The former consisting of all the law judges, for hearing appeals from the Courts of Law, and the latter, of all the chancellors, for hearing appeals from the Courts of Equity, are held in Columbia on the first Monday in May and fourth Monday in November. These courts are also held in Charleston on the second Monday in January, for hearing and determining appeals for the Districts of Georgetown, Horry, Beaufort, Colleton, and Charleston.

*Clerks.* — At Charleston, T. J. Gantt. At Columbia, A. Herbenont.

*Courts for the Correction of Errors*, consisting of all the judges in Law and Equity, to try constitutional questions, or questions where the Law and Equity Courts are divided, and which are referred thereto by either of the courts, are held at such times, during the sitting of the Courts of Appeal, as the chancellors and judges may appoint.

*Courts of Common Pleas and General Sessions*.—These courts have original jurisdiction in all civil cases where legal rights are involved (except in matters of contract, where the amount is \$20 or under), and in all criminal cases affecting free white men; and appellate jurisdiction in all appeals from Magistrates' Courts, and in appeals from the Court of Ordinary in all cases except in matters of account. They are held in each and every district of the State twice in each year. The times of holding the court for Charleston District are the first Monday in May, to sit six weeks, and the fourth Monday in October, to sit four weeks. Daniel Horlbeck, *Clerk of C. P. and G. S.* for Charleston District.

*Courts of Equity* take cognizance of all matters belonging to a court of equity, as contradistinguished from a court of law. A term is held by one chancellor, annually, in each district, except Charleston District, where two terms are held; viz. on the first Monday in February, to sit six weeks, and on the second Monday in June, to sit four weeks.

*City Court of Charleston*.—An inferior court, of limited jurisdiction, both in civil and criminal causes. William Rice, *Recorder*.

*Ordinary's Court*.—Each district has its own Ordinary. The principal duties of the Ordinary are, to grant letters of administration; probate of wills; examine executors' and administrators' accounts, &c. His office is the proper depository of wills and other papers relative to the administration of estates. An appeal lies from his determination, in matters of account, to the Court of Equity, and, in all other cases, to the Court of Common Pleas. M. T. Mendenhall, *Ordinary for Charleston District*.

*Magistrates' Courts* have exclusive jurisdiction in matters of contract of and under twenty dollars.

*Court of Magistrates and Freeholders*, for the trial of slaves and free persons of color for criminal offences.

#### FINANCES.

|  |               |
|--|---------------|
| Whole amount received in year ending 30th September, 1847, | \$ 329,633.32 |
| Whole amount expended,*                                    | 333,293.76    |
| Whole amount of State debt,                                | 3,622,038.95  |

#### *Property of the State.*

|  |                 |
|--|-----------------|
| Bank of the State of South Carolina, for capital,            | \$ 2,933,611.10 |
| " " " " for sinking fund,                                    | 653,022.77      |
| " " " " balance due Treasurers,                              | 101,071.15      |
| Debt of railroad and canal companies,                        | 523,396.69      |
| Shares in S. C. Railroad Co. and Southwestern Railroad Bank, | 800,000.00      |
| Balances due by tax-collectors, sheriffs, &c.,               | 9,415.61        |
| Total,   | 5,020,517.32    |

\* In this amount is an item of \$20,000, expended for the benefit of the Palmetto regiment.

*Taxes for 1847.*

|  |              |                                       |             |
|--|--------------|---------------------------------------|-------------|
| 347,468 slaves, . . . . .                | \$191,107.40 | Lots, . . . . .                       | \$43,985.43 |
| 2,554 free negroes, . . . . .            | 5,068.00     | Lands, . . . . .                      | 31,189.39   |
| Goods, wares, and merchandise, . . . . . | 24,496.09    | Double taxes, arrears, &c., . . . . . | 749.70      |
| Professions, . . . . .                   | 6,864.68     | Total, . . . . .                      | 303,480.93  |

*Free Schools.* — Number of schools, 739; number of teachers, 737; number of scholars, 7,188. Amount expended by the Legislature, in 1847, \$33,527.52. These schools are under the superintendence of Commissioners appointed by the Legislature.

*State Military Schools.*

*Charleston Citadel Academy.* — Number of instructors, 5; number of students, 62.

*Columbia Arsenal Academy.* — A preparatory school to the above. Number of instructors, 2; number of students, 32.

These schools were established by the Legislature in 1842, and are under the supervision of a Board of Visitors, who are vested with the authority of making rules and regulations for their management. The students are kept under a regular and stern discipline, and are well instructed in all the branches of a useful education.

*Lunatic Asylum of South Carolina.* — Received from Nov. 5, 1846, to Nov. 5, 1847, 33; in the asylum at that time, 70; total, 103. Discharged, cured, 17; removed under improvement, 5; died, 6; eloped, 1; total, 29. Leaving in the asylum at Columbia, Nov. 5th, 1847, 74; of whom 40 are males, 34 females; 46 paupers, and 28 pay-patients.

*South Carolina Railroad.* — This railroad, including branches, &c., of 204 miles, cost \$5,546,735.48, to which add estimated cost of the Camden branch (\$556,436.59) of 38 miles (now nearly completed), making, for 242 miles of road, \$6,203,171.98, or \$25,633 per mile. The ratio of current expenditures to the receipts, for the year 1847, is 47 per cent. The receipts for four years ending the 31st of December, 1847, are as follows: —

| Year. | No. of Passengers. | Bales of Cotton. | Barrels of Flour. | Bushels of Grain. | Barrels of Turpentine. | Receipts. |
|-------|--------------------|------------------|-------------------|-------------------|------------------------|-----------|
| 1844  | 54,146             | 186,638          | . . . . .         | . . . . .         | . . . . .              | \$532,869 |
| 1845  | 56,785             | 197,689          | . . . . .         | . . . . .         | . . . . .              | 558,697   |
| 1846  | 64,136             | 186,271          | 12,148            | 2,369             | 48                     | 589,051   |
| 1847  | 77,579             | 134,302          | 19,043            | 338,948           | 3,189                  | 656,267   |

## XV. GEORGIA.

## GOVERNMENT

*For the Year 1849.*

|                      |   | Salary. |
|----------------------|---|---------|
| GEORGE W. TOWNS,     | of Muscogee Co., <i>Governor</i> (term of office expires November, 1849), | \$3,000 |
| Nathan C. Barnet,    | of Clark Co., <i>Secretary of State</i> ,                                 | 1,600   |
| William B. Tinsley,  | of Baldwin Co., <i>Treasurer</i> ,  | 1,600   |
| David E. Bothwell,   | of Jefferson Co., <i>Comptroller-General</i> ,                            | 1,600   |
| P. M. Compton,       | of Butts Co., <i>Surveyor-General</i> ,                                   | 1,600   |
| John S. Thomas,      | of Baldwin Co., <i>Director of the Central Bank</i> .                     |         |
| Anderson W. Redding, | of Harris Co., <i>Keeper of the Penitentiary</i> .                        |         |
| Jesse H. Campbell,   | of Baldwin Co., <i>Commissioner of Deaf and Dumb</i> .                    |         |
| Andrew J. Miller,    | of Richmond Co., <i>President of the Senate</i> , \$5 a day.              |         |
| Wm. H. Crawford,     | of Sumter Co., <i>Secretary of the Senate</i> ,                           | 500     |
| Charles J. Jenkins,  | of Richmond Co., <i>Speaker of H. of Rep.</i> , \$5 a day.                |         |
| Allen F. Owen,       | of Talbot Co., <i>Clerk of House of Rep.</i> ,                            | 500     |

The pay of members of the Legislature is \$4 a day. The Legislature meets biennially.

## JUDICIARY.

*Supreme Court.*

|                     |                     |            |
|---------------------|---------------------|------------|
|                     |                     | Term ends. |
| Joseph H. Lumpkin,  | <i>Chief Judge,</i> | 1852       |
| Hiram Warner,       | <i>Judge,</i>       | 1850       |
| Eugenius A. Nisbet, | "                   | 1854       |

The judges of the Supreme Court are elected by the General Assembly, and are removable upon address of two thirds of each House. All causes shall be determined at the first term; and in case the plaintiff is not ready for trial, unless he be prevented "by some providential cause," the judgment of the court below shall be affirmed. Judges of the superior court are elected for six years, with jurisdiction exclusive in criminal cases, and in land cases; and concurrent in all other civil cases. Justices of the inferior courts are elected by the people, and act as probate judges. Justices of the peace are elected by the people in districts.

The State is divided into eleven circuits, with a judge for each.

|                          |                       |                               |                         |          |
|--------------------------|-----------------------|-------------------------------|-------------------------|----------|
| W. B. Fleming,           | of Chatham Co.,       | <i>Judge of</i>               | Eastern Circuit,        | \$ 1,800 |
| W. W. Holt,              |                       | "                             | Middle "                | 1,800    |
| N. C. Sayre,             |                       | "                             | Northern "              | 1,800    |
| Charles Dougherty,       | of Clark Co.,         | "                             | Western "               | 1,800    |
| James A. Meriwether,     |                       | "                             | Ocmulgee "              | 1,800    |
| J. J. Scarborough,       |                       | "                             | Southern "              | 1,800    |
| John Floyd,              |                       | "                             | Flint, "                | 1,800    |
| Robert B. Alexander,     |                       | "                             | Chatahoochee "          | 1,800    |
| Aug. R. Wright,          | of Cass Co.,          | "                             | Cherokee "              | 1,800    |
| Edward Y. Hill,          |                       | "                             | Coweta "                | 2,100    |
| Lott Warren,             |                       | "                             | Southwestern "          | 2,100    |
| Alpheus Colvard,         |                       | <i>Attorney-General,</i>      | \$ 250 and perquisites. |          |
| Mordecai Shaftall, Sen., | of Chatham Co.,       | <i>Judge of Court of Oyer</i> |                         |          |
|                          |                       | <i>and Terminer,</i>          | Savannah,               | 1,000    |
| John W. Wilde,           | of Richmond Co.,      | <i>Judge of Court of Oyer</i> |                         |          |
|                          |                       | <i>and Terminer,</i>          | Augusta,                | 1,000    |
| R. M. Orne,              | <i>State Printer.</i> |                               |                         |          |

## FINANCES.

The public debt of the State consists of bonds issued for the construction of the Western and Atlantic Railway. Its aggregate amount may be stated at \$1,579,875.60, of which \$1,435,250 are in federal bonds payable at the treasury; £15,000 in sterling bonds sold by Messrs. Reid, Irving, & Co., of London, England, previous to 1843, and £15,130.06, also in sterling bonds, as a balance due to this firm for their advances made to the State in 1839. The semiannual dividends of interest, as well as the principal of the sterling bonds, are payable in London. Since November, 1845, \$201,591 of the debt have been paid. During the fiscal year ending September, 1847, £33,000 have been redeemed and cancelled.

*City of Savannah.* — Population in April, 1848, 13,573. Increase since 1840, 2,359, being 21 per cent. Increase since 1810, 8,378, being 161 per cent. Of the increase since 1840, 23 per cent. is of whites, and 18 per cent. of colored. Fifty-four hundredths of the population are white; forty-seven hundredths are under 21 years of age. The number of male adults is

2,201; 552 are natives of Georgia, 682 of other parts of the United States, 807 are foreigners, and 160 are unknown. 1,071 whites and 977 colored persons are under 5 years of age; 7 whites and 34 colored persons are from 80 to 90; no whites and 11 colored are from 90 to 100; there is no person above 100. — There are 1,925 dwelling-houses and 282 stores; 223 houses and 265 stores being of brick. Of the total 2,207, 406 have been built within 10 years. — There are 3 banks, with an aggregate capital of \$1,685,400. Of these, one has within the last ten years divided on an average 4.8 per cent. annually; one, 7.7 per cent.; and one, 7.5 per cent. There is also the "Central Railroad and Banking Company," with a capital of \$2,549,165, of which \$205,000 is employed in banking, making the total banking capital of the city \$1,890,000. — The total tonnage is 8,550. The export in 1847 of cotton to foreign ports was 119,331 bags; coastwise, 114,830 bags; — of rice to foreign ports, 10,218 tierces; coastwise, 21,521; — of lumber to foreign ports, 4,886,425 feet; coastwise, 5,884,960. Exports of corn for the year ending April 1, 1848, to foreign ports, 60,067 bushels. — From 1810 to 1819 the deaths annually averaged 1 in 14 of the average population; from 1820 to 1829, 1 in 17; from 1830 to 1839, 1 in 24; from 1840 to 1847, 1 in 33.

## XVI. FLORIDA.

### GOVERNMENT

#### For the Year 1849.

|                     |                    |  | Salary.    |
|---------------------|--------------------|--|------------|
| WM. D. MOSELEY,     | of Mickossukie,    | Governor (term expires October, 1849), | \$1,500    |
| A. E. Maxwell,      | of Tallahassee,    | Secretary of State,                    | Fees & 600 |
| Simon Towle,        | "                  | Comptroller,                           | 800        |
| Wm. R. Hayward,     | "                  | Treasurer,                             | 800        |
| Oscar A. Myres,     | "                  | Governor's Private Secretary,          | 500        |
| Daniel G. McLean,   | of Wash'ton Co.,   | President of the Senate,               | \$3 a day. |
| Jos. B. Lancaster,  | of Duval Co.,      | Speaker of the House,                  | 3 a day.   |
| Calhoun W. Downing, | of St. John's Co., | Secretary of the Senate,               | 6 a day.   |
| Wm. B. Lancaster,   | of Duval Co.,      | Clerk of the House,                    | 6 a day.   |

The members of the General Assembly are chosen the first Monday of October, *biennially*. The Assembly meets *biennially* on the first Monday in November.

### JUDICIARY.

#### Circuit Courts.

|                      |                  |                                      |         |
|----------------------|------------------|--------------------------------------|---------|
| Thomas Douglass,     | of Jacksonville, | Chief Judge, Eastern Circuit,        | \$2,000 |
| George S. Hawkins,   | of Apalachicola, | Judge, Western "                     | 2,000   |
| Thomas Baltzell,     | of Tallahassee,  | " Middle "                           | 2,000   |
| Joseph B. Lancaster, | of Jacksonville, | " Southern "                         | 2,000   |
| James T. Archer,     | of Tallahassee,  | Attorney-General and Rep.,           | 500     |
| Mariamno D. Papy,    | "                | Clerk of Supreme Court,              | Fees.   |
| John C. Smith,       | of Apalachicola, | Solicitor, Western Circuit, F. & 200 |         |
| Thomas J. Heir,      | of Monticello,   | " Middle "                           | "       |
| Felix G. Livingston, | of Columbus,     | " Eastern "                          | "       |
| Thomas F. King,      | of Key West,     | " Southern "                         | "       |

The judges first appointed under the amended constitution are elected by concurrent vote of both Houses of the General Assembly, and hold office, after classification, respectively for the terms of two, four, six, and eight years.

## FINANCES.

| <i>Principal Items of Expenditure.</i> |              |                                 |             |
|--|--------------|---------------------------------|-------------|
| Legislative department,                | \$ 14,724.33 | Contingent expenses, courts,    | \$ 1,756.05 |
| Executive,                             | 5,838.56     | Contingent fund,                | 1,705.85    |
| Judicial,                              | 9,263.76     |                                 |             |
| Printing, &c., laws and reports,       | 1,690.69     | <i>Chief Sources of Income.</i> |             |
| Criminal prosecutions,                 | 6,606.26     | Taxes,                          | 39,500      |

## XVII. ALABAMA.

## GOVERNMENT

For the Year 1849.

|                     |                |  | Salary.        |
|---------------------|----------------|--|----------------|
| REUBEN CHAPMAN,     | of Marshall,   | <i>Governor</i> (term of office expires on the 1st Monday in Dec. 1849), | \$ 2,500       |
| William Garrett,    |                | <i>Secretary of State,</i>   | Fees and 1,200 |
| Joel Riggs,         |                | <i>Comptroller of Public Accounts,</i>                                   | 1,250          |
| William Graham,     |                | <i>State Treasurer,</i>  | 1,200          |
| Marion A. Baldwin,  |                | <i>Attorney-General,</i>   | Fees and 425   |
| James G. Carroll,   |                | <i>Adj. and Inspector-General,</i>                                       | 200            |
| Carter R. Harrison, | of Tuscaloosa, | <i>Quartermaster-General,</i>  | 200            |
| Michael Teumey,     | of Tuscaloosa, | <i>State Geologist,</i>  |                |
| John Anth. Winston, | of Sumter,     | <i>President of the Senate,</i>  |                |
| Leroy P. Walker,    | of Lauderdale, | <i>Speaker of the House of Rep.</i>                                      |                |

The Senate consists of 33 members, elected for four years, one half going out every two years. The House of Representatives consists of 100 members, elected for two years. The Legislature meets *biennially* in the city of Montgomery, on the second Monday of November. The second biennial session will be held in 1849. The pay of the members of both Houses is \$4 a day each. The public records, archives, and offices were removed from Tuscaloosa to Montgomery, in November, 1847.

## JUDICIARY.

*Supreme Court.*

|                     |                |                           | Salary.      |
|---------------------|----------------|---------------------------|--------------|
| Henry W. Collier,   | of Tuscaloosa, | <i>Chief Justice,</i>     | \$ 2,250     |
| Edward S. Dargan,   | of Mobile,     | <i>Associate Justice,</i> | 2,250        |
| William P. Chilton, | of Tuskegee,   | "                         | 2,250        |
| John J. Ormond,     | of Tuscaloosa, | <i>Reporter,</i>          | Fees.        |
| Marion A. Baldwin,  | of Montgomery, | <i>Attorney-General,</i>  | Fees and 425 |
| George C. Ball,     | of Montgomery, | <i>Clerk,</i>             | Fees.        |

The judges of all the courts and the chancellors are elected by a joint vote of the two Houses of the General Assembly, for six years. The sessions of this court are held at the seat of government on the 1st Mondays of January and June of each year, for hearing and determining points of law taken by appeal or writ of error from the Chancery, Circuit, and County Courts. The volumes of reported decisions are upwards of thirty in number.



*Court of Chancery.*

|                    |              |                            | Salary. |
|--------------------|--------------|----------------------------|---------|
| Joseph W. Lesesne, | of Mobile,   | Chancellor Southern Div'n, | \$1,500 |
| Wiley W. Mason,    | of Wetumpka, | " Middle "                 | 1,500   |
| David G. Ligon,    | of Moulton,  | " Northern "               | 1,500   |

The State is divided into forty chancery districts, in each of which a session of the court is held annually, except in Mobile, Sumter, Montgomery, Dallas, Madison, and Barbour counties, where two sessions are held.

*Circuit Courts.*

| Judges.               | Residence.  | Circuit. | Salary.  | Solicitors.             |
|-----------------------|-------------|----------|----------|-------------------------|
| John D. Phelan,       | Marion,     | 1st,     | \$ 1,500 | William E. Clarke.      |
| Nathan Cook,          | Hayneville, | 2d,      | 1,500    | (Vacant July 15, 1848.) |
| George D. Shortridge, | Montevallo, | 3d,      | 1,500    | William S. Muel.        |
| S. C. Poesy,          | Florence,   | 4th,     | 1,500    | John S. Kennedy.        |
| Thomas A. Walker,     |             | 5th,     | 1,500    | Wm. O. Winston.         |
| John Bragg,           | Mobile,     | 6th,     | 1,500    | Wm. H. Platt.           |
| Samuel Chapman,       | Livingston, | 7th,     | 1,500    | E. W. Pettus.           |
| George Goldthwaite,   | Montgomery, | 8th,     | 1,500    | Marion A. Baldwin.      |
| George W. Stone,      | Talladega,  | 9th,     | 1,500    | Thomas G. Garrett.      |

This court has original jurisdiction in all civil and criminal causes in the State. Two sessions (spring and fall) are held each year in every county. The Solicitors, besides fees, receive a salary of \$ 250, except in the first circuit, where the salary is \$ 350. The Attorney-General acts as Solicitor for the eighth circuit.

In Mobile county the criminal jurisdiction has been transferred to a special

*Criminal Court for Mobile County.*

|                |            |        |          |
|----------------|------------|--------|----------|
| John E. Jones, | of Mobile, | Judge, | \$ 1,500 |
|----------------|------------|--------|----------|

This court holds three terms each year, on the first Mondays of February, June, and December.

*FINANCES.*

|  |               |
|--|---------------|
| Balance in the Treasury, Nov. 27, 1845,                            | \$ 146,861.13 |
| Received from all sources to Nov. 27, 1847, (two years,) . . . . . | 568,131.72    |
|  | 714,992.85    |
| Total expenditures for the same period, . . . . .                  | 172,188.92    |
| Balance 27th Nov., 1847, . . . . .                                 | 542,803.93    |

*Chief Sources of Income.*

|                                     |  |                                     |             |
|-------------------------------------|--|-------------------------------------|-------------|
| Bonus from the Bank of Mobile,      |  | Printing, &c., Alabama (Law)        |             |
| (two years,) . . . . . \$ 10,000.00 |  | Reports, . . . . .                  | \$ 6,828.38 |
| Receipts from the sale of Alabama   |  | Outstanding claims against the      |             |
| (Law) Reports, . . . . . 2,023.50   |  | Penitentiary, . . . . .             | 16,694.65   |
| Taxes of 1844, . . . . . 2,901.52   |  | One half value of slaves executed,  | 2,974.56    |
| Taxes of 1845, . . . . . 260,139.43 |  | Compensation to State printer, . .  | 5,928.82    |
| Taxes of 1846, . . . . . 291,024.67 |  | Salary of the Governor, . . . . .   | 5,116.08    |
| Other Sources, . . . . . 1,042.60   |  | Salary of the Judges of the Supreme |             |
|                                     |  | and Circuit Courts, Chancellors,    |             |
|                                     |  | Attorney-General, and Solicitors,   | 55,533.50   |

*Principal Items of Expenditure.*

|   |  |                                      |            |
|---|--|--------------------------------------|------------|
| Compensation and other expenses                   |  | Salary of Sec'y of State, Compt'r of |            |
| of the Legislature, . . . . . \$ 47,314.75        |  | Public Accounts, Quartermaster,      |            |
| Apprehending, prosecuting, &c.,                   |  | and Adjutant-General, . . . . .      | 5,800.00   |
| public offenders, and conveying                   |  | Contingent expenses of the State     |            |
| convicts to the Penitentiary, . . . . . 17,416.76 |  | government, . . . . .                | 4,388.29   |
|   |  | All other expenses, . . . . .        | 4,793.13   |
|   |  |                                      | 172,188.92 |

The interest on the State bonds (amounting to about \$471,000 annually), having been paid out of the realized assets of the State Bank and branches, is not included in the above list of expenditures. The amount of these realized assets from February, 1846, to December, 1847, is \$3,457,973.54. Deducting from this sum two years' interest paid on the State debt, \$942,000, two years' interest on the University Fund, and two years' interest on the Sixteenth Section Fund, \$196,000, and the circulation taken up in collections, \$1,142,000, a balance of the assets remains of \$1,177,150.54.

In addition to this, the amount likely to be realized hereafter from the remaining debts and property of the banks is estimated at \$2,200,000.

|  |                |
|--|----------------|
| The amount of outstanding State bonds is about . . . . .             | \$9,000,000.00 |
| The University Fund is . . . . .                                     | 250,000.00     |
| The Sixteenth Section (School) Fund is . . . . .                     | 1,015,856.00   |
| Unredeemed circulation of the banks, . . . . .                       | 457,177.00     |
| Revenue fund, surplus revenue, and 3 per cent. fund, about . . . . . | 1,500,000.00   |
| Estimated amount of public debt, . . . . .                           | 12,223,033.00  |
| Annual amount of interest on the same, about . . . . .               | 566,000.00     |

*Internal Improvements.*—The Montgomery and West Point Railroad is now open 67 miles from Montgomery, and will probably be completed before the end of 1850.

The Tuscumbia and Decatur Railroad has ceased operation, and is broken up. A railroad from Mobile to the mouth of the Ohio River has been chartered by the Legislatures of Alabama, Mississippi, Tennessee, and Kentucky, and a portion of the stock subscribed.

*Alabama Penitentiary at Wetumpka.*—Prisoners committed in 1842, 22; in 1843, 49; in 1844, 56; in 1845, 26; in 1846, 45; in 1847, 50; total, 248. Discharged, 65; pardoned, 25; died, 23; escaped, 3; total in prison, Nov. 1, 1847, 132. Committed for larceny, horse and negro stealing, robbery, &c., 61; murder and assault to murder, and manslaughter, 36; forgery, counterfeit money, perjury, &c., 16; rape, polygamy, incest, &c., 11; burglary, 2; harbouring and aiding slaves to escape, 3; other offences, 3. Ages of convicts:—under 20 years of age, 10; from 20 to 30 years, 59; from 30 to 40 years, 34; from 40 to 50 years, 18; from 50 to 60 years, 8; from 60 to 70 years, 3. Terms of imprisonment:—for life, 9; for 20 years, 5; for 15 years, 3; for 10 years, 22; for 8 years, 3; for 7 years, 5; for 6 years, 6; for 5 years, 27; for 4 years, 11; for 3 years, 20; for 2 years, 19. Number of convicts whose conduct has been good, 107; bad, 25.

The Penitentiary is leased to John G. Graham, who pays all expenses and \$500 per annum to the State for his lease.

## XVIII. MISSISSIPPI.

### GOVERNMENT

#### For the Year 1849.

|  | Term ends. | Salary. |
|--|------------|---------|
| JOSEPH W. MATTHEWS, Governor,                        | Jan. 1850, | \$3,000 |
| Samuel Stamps, Secretary of State,                   | Nov. 1850, | 1,200   |
| Richard Griffith, State Treasurer,                   | " 1850,    | 1,500   |
| George T. Swann, Auditor of Public Accounts,         | " 1850,    | 1,500   |
| James M. Lewis, Keeper of the Capitol and Librarian, |            | 500     |
| James Wach, Keeper of the Penitentiary,              |            | 1,500   |

### JUDICIARY.

#### High Court of Errors and Appeals.

|  | Term ends. | Salary. |
|--|------------|---------|
| William L. Sharkey, of Vicksburg, Presiding Judge, | Nov. 1853, | \$3,000 |
| Alexander M. Clayton, Judge,                       | " 1851,    | 3,000   |

|                    |             |                |            |                  |
|--------------------|-------------|----------------|------------|------------------|
| J. S. B. Thatcher, | of Natchez, | Judge,         | Nov. 1849, | Salary,<br>3,000 |
| John D. Freeman,   | of Jackson, | Attorney-Gen., | " 1849,    | 1,000            |
| Wilson Hemmingway, | "           | Clerk,         |            | Fees.            |

The jurisdiction of the High Court is appellate exclusively. There are two terms each year in Jackson, commencing 1st Monday of November and January. The Court may continue in session as long as business requires, and may order a special term, or adjourn to meet at any time.

The Superior Court of Chancery, held at the Capitol at Jackson, is in law considered always open. The chancellor is authorized to hold the same at such times and for such periods as business may require, upon giving three weeks' notice in the newspapers. The District Chancery Courts have concurrent power and jurisdiction, within their respective districts, with the Superior Court of Chancery, where the amount in controversy does not exceed \$500,000, and have the same power as the Chancellor of the State, both in term time and in vacation. Special terms of the District Chancery Courts may be holden by the Vice-Chancellors, respectively, by giving thirty days' public notice.

The Circuit Court has original jurisdiction in civil cases in which the sum in controversy exceeds \$50. For each of the seven circuits, a judge and attorney are elected, every four years, in the month of November. It has also exclusive criminal jurisdiction.

#### *Superior Court of Chancery.*

|                |                 |             |            |         |
|----------------|-----------------|-------------|------------|---------|
|                |                 |             | Term ends. | Salary. |
| Stephen Cocke, | of Lowndes Co., | Chancellor, | Nov. 1851, | \$2,500 |
| Robert Hughes, | of Jackson,     | Clerk.      |            |         |

#### *District Chancery Courts.*

|                  |                                 |            |         |
|------------------|---------------------------------|------------|---------|
| Henry Dickinson, | Vice-Chancellor, Northern Dist. | Nov. 1851, | \$2,000 |
| James M. Smiley, | " Southern Dist.                | " 1849,    | 2,000   |

#### *Clerks of Northern District.*

|                  |                |
|------------------|----------------|
| William P. Bole, | Carrollton.    |
| J. T. Sims,      | Columbus.      |
| Hannibal Harris, | Holly Springs. |
| J. Robbins,      | Fulton.        |

#### *Clerks of Southern District.*

|                     |                   |
|---------------------|-------------------|
| Erasmus S. Russell, | Natchez,          |
| Abram W. Richards,  | Mississippi City. |
| Edw. L. Bowen,      | Monticello.       |

#### *District or Circuit Courts.*

| Dist. | Judges.             | District Attorneys. | Dist. | Judges.             | District Attorneys. |
|-------|---------------------|---------------------|-------|---------------------|---------------------|
| 1     | Stanhope Posey.     | William T. Martin.  | 5     | Robert C. Perry.    | E. A. M. Gray.      |
| 2     | Wiley P. Harris.    | O. F. M'Carty.      | 6     | Francis P. Rodgers. | Septimus Caldwell.  |
| 3     | George Coalter.     | Fulton Anderson.    | 7     | Hugh B. Miller.     | John W. Thompson.   |
| 4     | Armstead B. Dawson. | George Wood.        |       |                     |                     |

## FINANCES.

|   |                    |  |
|---|--------------------|--|
| Receipts from March 1, 1846, to April 30, 1847, . . . . . |                    | \$ 516,015.80                                |
| Expenditures during the same period, . . . . .            |                    | 347,061.73                                   |
| Excess of receipts, . . . . .                             |                    | 168,954.07                                   |
| Receipts from May 1, 1847, to Nov. 23, 1847, . . . . .    |                    | *173,712.86                                  |
| Expenditures during the same period, . . . . .            |                    | 134,578.32                                   |
| Excess of receipts, . . . . .                             |                    | 39,134.54                                    |
|   | Value.             |  |
| Number of acres of land taxable in 1846, . . . . .        | 15,202,369         | \$ 54,140,502.92                             |
| Number of additional acres, " in 1847, . . . . .          | 196,094            | 142,768.92                                   |
| " " " in 1848, . . . . .                                  | 87,068             | 453,207.39                                   |
| " " " after 1848, . . . . .                               | 503,940            | 860,760.48                                   |
| Number of acres of vacant land, . . . . .                 | 11,322,147         | 4,685,011.88                                 |
| " " belonging to the State, . . . . .                     | 470,064            | 732,933.92                                   |
| " " of school lands, . . . . .                            | 881,271            | 807,226.16                                   |
| Whole number of acres, . . . . .                          | 28,406,359         | 65,749,742.48                                |
| Average value of lands in the State, per acre, \$2.534.   |                    |  |
| State tax in 1846 on lands and town lots, . . . . .       |                    | 146,458.47                                   |
| Additional taxes in the years 1847 and 1848, . . . . .    |                    | 3,065.55                                     |
|   | State tax thereon. |  |
| Amount of money lent at interest, . . . . .               | \$ 1,648,021.94    | \$ 4,944.09                                  |
| Value of merchandise sold by regular merchants, . . . . . | 7,356,642.15       | 22,069.92                                    |
| Amount of bank stock, . . . . .                           | 5,529,075.00       | 13,622.69                                    |
| Auction sales of merchandise, . . . . .                   | 36,633.70          | 917.98                                       |
|   | Value.             |  |
| Number of pleasure carriages, . . . . .                   | 3,572              | \$ 523,609.70                                |
| " watches, . . . . .                                      | 7,249              | 357,496.00                                   |
| " clocks, . . . . .                                       | 13,130             | 163,952.10                                   |
| " ten-pin alleys, . . . . .                               | 32                 | 320.00                                       |
| " race-tracks, . . . . .                                  | 2                  | 100.00                                       |
| " bowie-knives, . . . . .                                 | 184                | 184.00                                       |
| " pistols, . . . . .                                      | 1,624              | 3,248.00                                     |
| " cattle over 20 head, . . . . .                          | 189,521            | 1,895.21                                     |
| " race, saddle, or carriage horses, . . . . .             | 4,807              | 347,943.00                                   |
| Value of gold and silver plate over \$50, . . . . .       |                    | 37,612.00                                    |
| Number of pianos, . . . . .                               | 912                | 162,010.00                                   |
| " toll bridges and ferries, . . . . .                     | 100                | 69,866.00                                    |
| " stallions, . . . . .                                    | 256                | 1,713.00                                     |
| " jacks, . . . . .  | 107                | 520.00                                       |
| " male free negroes, . . . . .                            | 163                | 229.50                                       |
| " slaves under 60 years, . . . . .                        | 244,265            | 146,559.00                                   |
| " free white polls, . . . . .                             | 42,822             | 21,411.00                                    |
| Total State tax on personal property, . . . . .           |                    | 223,276.72                                   |
| " " real and personal property, . . . . .                 |                    | 379,735.19                                   |
| <i>Principal Items of Expenditure.</i>                    |                    |  |
| Legislature (about) . . . . .                             | \$ 45,000.00       | Public buildings, . . . . . \$ 7,500.00      |
| Judiciary, . . . . .                                      | 83,000.00          | Auditing contingent fund, . . . . . 1,700.00 |
| Executive and contingencies, . . . . .                    | 12,000.00          | State library, . . . . . 2,000.00            |
| Penitentiary deficit, . . . . .                           | 5,000.00           | <i>Chief Sources of Income.</i>              |
|   |                    | Taxes, . . . . . 379,735.19                  |

\* Taxes are mostly paid in winter.

**Common Schools.** — An act establishing a system of Common Schools was passed in 1846. The Boards of County Police are to appoint School Commissioners, one to each district, amounting to five to each county. These Commissioners superintend the schools and hire the teachers. Semiannual reports are to be made to the Secretary of State, who is *ex officio* General School Commissioner. A special tax may be levied by the Board of Police, not to exceed the State tax; but no township shall be taxed for this purpose without the consent of a majority of its inhabitants. The funds arising from leases of the 16th sections of land, from fines and forfeitures, and from licenses to hawkers and peddlers, keepers of billiard-tables, retailers of liquors, and brokers, shall form part of the school fund.

**State Penitentiary.** — J. W. Wade, Superintendent. Whole number received since the first admission, April 15, 1820, 229. Whole number, Dec. 1, 1846, 89; received to the date of the Report, Nov. 30, 1847, 24. Discharged by expiration of sentence, 8; by pardon of the Governor, 14; by writ of error, 3; by death, 3. Remaining, Nov. 30, 1847, 85. 4 are sentenced for 15 years; 2 for 12 years; 20 for 10 years; 2 for 8 years; 4 for 7 years; 5 for 6 years; 12 for 5 years; 8 for 4 years; 5 for 3 years; 23 for 2 years. 4 are confined for attempt to kill; 13 for manslaughter; 18 for negro stealing; 2 for horse stealing; 5 for forgery; 27 for petit larceny; 8 for grand larceny. 8 were foreigners, the rest were natives of this country. When committed, 3 were professional men; 24 worked at trades; 57 were without trades or profession. When committed, 1 was 106 years of age; 2 between 60 and 70; 3 between 50 and 60; 11 between 40 and 50; 18 between 30 and 40; 40 between 20 and 30; 10 between 17 and 20.

## XIX. LOUISIANA.

### GOVERNMENT

#### For the Year 1849.

|  | Term ends.    | Salary.   |
|--|---------------|-----------|
| Isaac Johnson, of West Feliciana, Governor,              | Jan. 1850,    | \$6,000   |
| Trasimon Landry, of Ascension, Lieut.-Governor,          | "             | \$8 a day |
| [during the session of the Legislature.]                 |               |           |
| Charles Gayarré, of New Orleans, Secretary of State,     | Jan. 1850,    | 2,000     |
| Zenon Ledoux, Jr., of Pointe Coupée, Priv. Sec. to Gov., | Perquisites & | 600       |
| Joseph Walker, of Rapides, Treasurer,                    | Jan. 1850,    | 4,000     |
| Louis Bringier, of New Orleans, Surveyor-General,        |               | 600       |
| Charles N. Rowley, of Concordia, Adj. and Ins.-General,  | 1850,         | 2,000     |
| Louis Bordelon, of St. Landry, Auditor of Accounts,      | "             | 4,000     |
| Robert J. Kerr, Register of Land-Office,                 | "             | 687.75    |
| Alexander Dimitry, Sup't of Education,                   | "             | 3,000     |

The Legislature meets biennially on the third Monday in January. Senators, 32 in number, are chosen for four years; one half every two years. Representatives, not less than 70, nor more than 100 (the present number is 98), are chosen for two years. The election is on the 2d Monday in November. The pay of members of the Legislature is \$4 a day during the session and while going and returning. No session shall last more than sixty days. Acts passed after fifty days shall be void. The State Treasurer is chosen biennially, by joint ballot. By the act of 16th March, 1848, the seat of government is to be removed to Baton Rouge as soon as the Governor of the State shall consider the public buildings in a

proper condition for the reception of the public records, &c., of the State ; *provided* the removal be not later than the first day of December, 1849.

### JUDICIARY.

#### *Supreme Court.*

This court consists of a chief justice and three associate justices, appointed by the Governor, with the advice and consent of the Senate, for the term of eight years. The court sits in New Orleans from the first Monday in November to the end of June, inclusive. The Supreme Court has appellate jurisdiction only, when more than \$ 300 are in dispute ; when the legality of any tax is in question ; on all fines and penalties imposed by municipal corporations ; and in criminal cases, on points of law alone, when death, hard labor, or a fine of more than \$ 300, is imposed. They may issue writs of *habeas corpus* in all cases where they have appellate jurisdiction. If the judges are equally divided, the judgment appealed from shall stand affirmed.

#### *Justices of the Supreme Court.*

|                      |                 |                              |       |              |
|----------------------|-----------------|------------------------------|-------|--------------|
| George Eustis,       | of New Orleans, | <i>Chief Justice,</i>        | 1854, | \$ 6,000     |
| Pierre A. Rost,      | of St. Charles, | <i>Associate Justice,</i>    | 1852, | 5,500        |
| George R. King,      | of Opelousas,   | "                            | 1850, | 5,500        |
| Thomas Slidell,      | of New Orleans, | "                            | 1848, | 5,500        |
| Wm. A. Elmore,       | "               | <i>Attorney-General,</i>     | 1848, | 3,000        |
| Eugene Lasere,       |                 | <i>Clerk in New Orleans,</i> |       | Fees.        |
| Pierre Labyche,      |                 | " <i>Opelousas,</i>          |       | Fees.        |
| M. A. Airail,        |                 | " <i>Alexandria,</i>         |       | Fees.        |
| Henry M. Bry,        |                 | " <i>Monroe,</i>             |       | Fees.        |
| Merritt M. Robinson, | of New Orleans, | <i>Reporter,</i>             |       | Perquisites. |

#### *District Courts.*

The State shall be divided into not less than twelve, nor more than twenty, judicial districts, which may be reorganized every sixth year. One district judge is appointed for six years, for each district, except for the districts of New Orleans and Lafayette, where as many are appointed as are necessary. District judges must be citizens of the United States, above thirty years old, residents of the State for five years, and have practised law therein five years. The District Courts have jurisdiction when more than fifty dollars is at stake, and in all criminal cases.

#### *District Courts of New Orleans ; 1st District.*

| Districts. | Judges.             | Term ends. | Salary.  | Clerks.             |
|------------|---------------------|------------|----------|---------------------|
| 1.         | John McHenry,       | 1850,      | \$ 3,500 | Alfred Rousseau.    |
| 2.         | E. A. Canon,        | 1852,      | 3,500    | Thomas C. Poole.    |
| 3.         | Thomas H. Kennedy,  | 1850,      | 3,500    | William P. Bedlock. |
| 4.         | George Strawbridge, | 1852,      | 3,500    | Thomas Gilmore.     |
| 5.         | A. M. Buchanan,     | 1850,      | 3,500    | Prosper Le Blanc.   |

*Other District Courts.*

| Districts. | Judges.              | Term ends. | Salary.  | Attorneys.        |
|------------|----------------------|------------|----------|-------------------|
| 2.         | Octave S. Rousseau,  | 1848,      | \$ 2,500 | J. Foulhouse.     |
| 3.         | J. Calvin Clarke,    | 1848,      | 2,500    | E. W. Jordan.     |
| 4.         | R. Wellman Nicholls, | 1848,      | 2,500    | E. Legendre.      |
| 5.         | David A. Randall,    | 1848,      | 2,500    | James L. Cole.    |
| 6.         | John J. Burke,       | 1852,      | 2,500    | Augustus Talbot.  |
| 7.         | <i>Vacancy.</i>      |            | 2,500    | Z. S. Lyons.      |
| 8.         | Martin G. Penn,      | 1850,      | 2,500    | Nicholas Baylies. |
| 9.         | Fred. H. Farrar,     | 1850,      | 2,500    | P. A. Roy.        |
| 10.        | Louis Selby,         | 1850,      | 2,500    | William Perkins.  |
| 11.        | E. Barry,            |            | 2,500    | M. Boatner.       |
| 12.        | George W. Copley,    | 1850,      | 2,500    | J. C. C. Sharp.   |
| 13.        | Ralph Cushman,       | 1852,      | 2,500    | Patrick Barry.    |
| 14.        | Cornelius Voorhies,  | 1848,      | 2,500    | A. T. Splane.     |
| 15.        | John H. Overton,     | 1848,      | 2,500    | C. L. Mouton.     |
| 16.        | James Taylor,        | 1852,      | 2,500    | J. B. Elam.       |
| 17.        | Edward R. Olcott,    | 1852,      | 2,500    | John S. Gilbert.  |

**Education.**—The constitution provides that "there shall be a superintendent of public education, to hold office for two years. Free public schools shall be established throughout the State; the proceeds of lands granted for the purpose, and of lands escheated to the State, shall be held as a permanent fund, on which six per cent. interest shall be paid by the State for the support of these schools."

**FINANCES.**

The constitution provides that the credit of the State shall not be lent to any person or corporation whatsoever; but new bonds may be issued to replace outstanding ones. No State debt shall be contracted for more than \$100,000, except in case of war, invasion, or insurrection, unless authorized by law for some distinctly specified object or work; which law shall impose taxes to pay the current interest during the whole term of the debt, and also to pay the debt itself at maturity; and this law shall be irrevocable till the debt and interest are fully discharged, and shall not go into force till again enacted by the next Legislature after its first passage. The State shall not subscribe to the stock of any company or corporation. No corporate company shall be hereafter created, renewed, or extended, with banking or discounting privileges. After 1880 the charters of all corporations may be revoked; and no charter shall now be granted, except for municipal or political purposes, for more than twenty-five years.

**XX. TEXAS.****STATE GOVERNMENT,**

*From the Date of its Organization, February 19, 1846.*

|                                   |                                       | Salary.  |
|-----------------------------------|---------------------------------------|----------|
| *J. Pinckney Henderson, Governor, | from Feb. 19, 1846, to Dec. 21, 1847, | \$ 2,000 |
| *George T. Wood,                  | Dec. 21, 1847, for two years,         | 2,900    |

\* Elected by the people.

|  | Salary. |
|--|---------|
| *Albert C. Horton, <i>Lieut.-Gov. and Pres. Sen.</i> , from Feb. 19, 1846, to Dec. 21, 1847, #3 a day. |         |
| *John A. Greer, " " " Dec. 21, 1847, for two years, #3 a day.  |         |
| †Charles Mariner, <i>Sec. of State, (ad interim)</i> , Feb. 20, 1846, to May 4, 1846, #1,200           |         |
| †David G. Burnet, " May 4, 1846, to Dec. 21, 1847, 1,200   |         |
| †Washington D. Miller, " Dec. 23, 1847, for two years, 1,200   |         |
| †John W. Harris, <i>Attorney-General</i> , May 8, 1846, to March 14, 1848, 1,000                       |         |
| " " March 14, 1848, for two years, 1,500   |         |
| §James B. Shaw, <i>Compt. of Public Accounts</i> , Feb. 24, 1846, to Feb. 7, 1848, 1,200               |         |
| " " Feb. 7, 1848, for two years, 1,500   |         |
| §James H. Raymond, <i>Treasurer</i> , Feb. 24, 1846, to Feb. 7, 1848, 1,200                            |         |
| " " Feb. 7, 1848, for two years, 1,200   |         |
| †John M. Swisher, <i>Auditor</i> , May 8, 1848, for two years, 1,000                                   |         |
| †William G. Cooke, <i>Adjutant-General</i> , April 27, 1846, to Dec. 24, 1847, 1,000                   |         |
| †Charles L. Mann, " (ad interim), Dec. 24, 1847, to March 4, 1848, 1,000                               |         |
| †John D. Pitts, " March 4, 1848, for two years, 1,000  |         |
| †Thos. Wm. Ward, <i>Com'r Gen. Land-Office</i> , Dec. 22, 1846, to March 20, 1848, 1,500               |         |
| §George W. Smyth, " " March 20, 1848, for two years, 1,500   |         |

## JUDICIARY.

## Supreme Court.

|  |  |
|--|--|
| John Hemphill, of Austin, <i>Ch. Justice</i> , from March 2, 1846, for six years, #2,000       |  |
| †Abner S. Lipscomb, of Independence, <i>Ass. Justice</i> , March 2, 1846, for six years, 2,000 |  |
| †Royall T. Wheeler, of San Augustine, " March 2, 1846, for six years, 2,000                    |  |
| Thomas Green, of Austin, <i>Clerk</i> , Mar. 2, 1846, for four years, Fees & 300               |  |

## District Court.

|   |  |
|---|--|
| †James Love, <i>Judge of First District</i> , from April 17, 1846, to Feb. 14, 1848, #1,750 |  |
| †Joseph C. Megginson, " " Feb. 25, 1848, for six years, 1,750                               |  |
| †William E. Jones, " <i>Second</i> " April 17, 1846, for six years, 1,750                   |  |
| †Robert E. B. Baylor, " <i>Third</i> " April 17, 1846, for six years, 1,750                 |  |
| †Milford P. Norton, " <i>Fourth</i> " April 14, 1846, for six years, 1,750                  |  |
| †Oran M. Roberts, " <i>Fifth</i> " April 14, 1846, for six years, 1,750                     |  |
| †William B. Ochiltree, " <i>Sixth</i> " May 8, 1846, to Jan. 1, 1847, 1,750                 |  |
| †Amos Clark, " " Jan. 1, 1847, to Feb. 23, 1848, 1,750                                      |  |
| †Lemuel D. Evans, " " March 8, 1848, for six years, 1,750                                   |  |
| †John B. Jones, " <i>Seventh</i> " April 14, 1846, to Jan. 15, 1847, 1,750                  |  |
| †Constantine W. Buckley, " " Feb. 2, 1847, for six years, 1,750                             |  |
| †John T. Mills, " <i>Eighth</i> " April 14, 1846, for six years, 1,750                      |  |
| †Bennett H. Martin, " <i>Ninth</i> " March 20, 1848, for six years, 1,750                   |  |
| †Fielding Jones, " <i>Tenth</i> " Aug. 1, 1848, for six years, 1,750                        |  |
| †Spruce M. Baird, " <i>Eleventh</i> " March 18, 1848, for six years, 1,750                  |  |

## District Attorneys.

|  |  |
|--|--|
| §Hiram B. Waller, <i>First District</i> , from April 13, 1846, to April 13, 1848, #300 and fees. |  |
| " " April 13, 1848, for two years, 500 and fees.   |  |
| §John A. Green, <i>Second</i> " April 13, 1846, to April 13, 1848, 300 and fees.                 |  |
| " " April 13, 1848, for two years, 500 and fees.   |  |
| §Thomas Johnson, <i>Third</i> " April 13, 1846, to April 13, 1848, 300 and fees.                 |  |
| " " April 13, 1848, to May 16, 1848, 500 and fees.   |  |

\* Elected by the people.

† Appointed by the Governor.

‡ Appointed by the Governor and Senate.

§ Elected by the Legislature.

|| Appointed by the Supreme Court.



|                         |   |                                    | Salary.          |
|-------------------------|---|------------------------------------|------------------|
| †Josiah F. Crosby,      | <i>Third District</i> , from May 29, 1848, till elect. by Legis., |                                    | \$ 500 and fees. |
| §Cornelius W. Peterson, | <i>Fourth</i> "   | April 13, 1846, to April 13, 1848, | 300 and fees.    |
| "                       | " "   | April 13, 1848, for two years,     | 500 and fees.    |
| §J. M. Ardry,           | <i>Fifth</i> "  | April 13, 1846, to April 13, 1847, | 300 and fees.    |
| †Richard S. Walker,     | " "   | April 13, 1847, to April 13, 1848, | 300 and fees.    |
| §                       | " "   | April 13, 1848, for two years,     | 500 and fees.    |
| §John McClarty,         | <i>Sixth</i> "  | April 13, 1846, to Mar. 25, 1847,  | 300 and fees.    |
| †Thomas W. Shedd,       | " "   | Mar. 27, 1847, to Feb. 26, 1848,   | 300 and fees.    |
| §D. W. Field,           | " "   | Feb. 26, 1848, for two years,      | 500 and fees.    |
| §Samuel D. Hay,         | <i>Seventh</i> "  | April 13, 1846, to April 13, 1848, | 300 and fees.    |
| "                       | " "   | April 13, 1848, for two years,     | 500 and fees.    |
| §William C. Young,      | <i>Eighth</i> "   | April 13, 1846, to April 13, 1848, | 300 and fees.    |
| "                       | " "   | April 13, 1848, for two years,     | 500 and fees.    |
| §Andrew J. Fowler,      | <i>Ninth</i> "  | Feb. 26, 1848, for two years,      | 500 and fees.    |
| §W. S. Glass,           | <i>Tenth</i> "  | Aug. 1, 1848, for two years,       | 500 and fees.    |
| §James W. Webb,         | <i>Eleventh</i> "   | March 16, 1848, for two years,     | 500 and fees.    |

The State constitution was ratified by the people, October 13, 1845, by a vote of 4,174 to 312.

The first State Legislature and Governor were elected December 15, 1845, under the provisions of the constitution, and the Legislature convened at Austin, February 16, 1846.

Annexation was consummated, and the first Governor of the State installed, February 19, 1846.

Sam Houston and Thomas J. Rusk were elected to the Senate of the United States by the Legislature, February 21, 1846.

Timothy Pilsbury and David S. Kaufman were elected representatives to the Congress of the United States, March 31, 1846; reelected November 2, 1846.

The second biennial Legislature and Governor were elected November 1, 1847, and the Legislature convened at Austin, December 13, 1847.

Sam Houston was reelected to the Senate of the United States, December 15, 1847.

The second Governor of the State was installed December 21, 1847.

As now regulated by law, the next biennial election for Governor, Representatives in Congress, and members of the Legislature, will take place on the first Monday in August, 1849, and biennially thereafter. The vote in all elections by the people is by ballot.

#### GOVERNMENT

##### For the Year 1849.

|                       |  | Term ends.     | Salary.    |
|-----------------------|--|----------------|------------|
| GEORGE T. WOOD,       | <i>Governor</i> ,                          | Dec. 21, 1849, | \$2,000    |
| John A. Greer,        | <i>Lieut.-Gov. &amp; Pres. of Senate</i> , | 1849,          | \$3 a day. |
| Washington D. Miller, | <i>Secretary of State</i> ,                | 1849,          | 1,200      |
| John W. Harris,       | <i>Attorney-General</i> ,                  | 1850,          | 1,500      |
| James H. Raymond,     | <i>Treasurer</i> ,                         | 1850,          | 1,200      |

† Appointed by the Governor.

§ Elected by the Legislature.

|                  |   | Term ends. | Salary.  |
|------------------|---|------------|----------|
| James B. Shaw,   | <i>Comptroller,</i>                     | 1850,      | \$ 1,200 |
| John M. Swisher, | <i>Auditor,</i>                         | 1850,      | 1,000    |
| John D. Pitts,   | <i>Adjutant-General,</i>                | 1850,      | 1,000    |
| George W. Smyth, | <i>Commissioner of the Land-Office,</i> |            | 1,500    |
| J. W. Henderson, | <i>Speaker of the House.</i>            |            |          |

The sessions of the Legislature are biennial, and are held at Austin. Members receive \$3 a day, and \$3 for every twenty-five miles of travel.

#### JUDICIARY.

The Supreme Court consists of a chief justice and two associates, who are chosen for six years. Sessions are held once a year, between June and October, in not more than three places in the State. The court has appellate jurisdiction coextensive with the limits of the State; but in criminal cases, and appeals from interlocutory judgments, it is under legislative regulations. Judges nominated by the Governor, and confirmed by two thirds of the Senate; they may be removed by address of two thirds of both Houses. The judges of the District Court are chosen for six years, and hold a court twice a year in each county. The District Courts have original jurisdiction in all criminal cases, and in all suits in which more than \$100 are at stake. In criminal cases, if the punishment be not specifically determined by law, the jury shall determine it. In equity causes, either party may demand a jury.

#### *Supreme Court.*

|                    |                  |                           | Term ends. | Salary.  |
|--------------------|------------------|---------------------------|------------|----------|
| John Hemphill,     | of Austin,       | <i>Chief Justice,</i>     | 1852,      | \$ 2,000 |
| Abner S. Lipscomb, | of Independence, | <i>Associate Justice,</i> | 1852,      | 2,000    |
| Royall T. Wheeler, | of San Augustin, | "                         | 1852,      | 2,000    |
| Thomas Green,      | of Austin,       | <i>Clerk,</i>             | 1850.      |          |

#### *District Courts.*

| Judges.              | Residence.   | Salary. | Attorneys.     | Residence.   | Salary.    |
|----------------------|--------------|---------|----------------|--------------|------------|
| 1. J.C. Megginson,   | Galveston,   | \$1,750 | H. B. Waller,  | Austin Co.,  | \$500 & f. |
| 2. Wm. E. Jones,     | Gonzales,    | 1,750   | John A. Green, | Lagrange,    | 500 & f.   |
| 2. R. E. B. Baylor,  |              | 1,750   | J. F. Crosby,  |              | 500 & f.   |
| 4. M. P. Norton,     |              | 1,750   | C.W. Peterson, | Jackson Co., | 500 & f.   |
| 5. O. M. Roberts,    | San Aug'ne,  | 1,750   | R. S. Walker,  |              | 500 & f.   |
| 6. L. D. Evans,      |              | 1,750   | D. W. Field,   |              | 500 & f.   |
| 7. C. W. Buckley,    |              | 1,750   | Sam. D. Hay,   | Huntsville,  | 500 & f.   |
| 8. John T. Mills,    | Clarksville, | 1,750   | Wm. C. Young,  | Clarksville, | 500 & f.   |
| 9. B. H. Martin,     |              | 1,750   | A. J. Fowler,  |              | 500 & f.   |
| 10. Fielding Jones,  |              | 1,750   | Wm. S. Glass,  |              | 500 & f.   |
| 11. Spruce M. Baird, |              | 1,750   | Jaa. W. Webb,  |              | 500 & f.   |

## FINANCES.

*Receipts, from the Date of the Organization of the State Government as a Member of the Union, February 19, 1846, to December 31, 1847.*

| Revenue accrued under, and derived from the late Republic of Texas, viz. :— | Revenue accrued under the State government, viz. :—    |
|---|--|
| From duties on imports, . . . \$51,206.13                                   | From direct and license taxes, . . . \$76,837.88       |
| " direct taxes, . . . 21,154.87   | " miscellaneous sources, . . . 268.00                  |
| " licenses, . . . 7,692.29  | " special deposits on account of estates, . . . 162.30 |
| " indemnity from the U. States, 26,922.57                                   |  |
| " miscellaneous sources, . . . 2,673.43                                     |  |
| " cash in treasury, . . . 19,297.51   |  |
| 128,946.80  | Aggregate receipts, . . . \$206,214.98                 |

*Expenditures for the same Period.*

|  |              |
|--|--------------|
| On account of appropriations by State government, . . .                                    | \$121,103.49 |
| On account of appropriations by the late Republic, unpaid at the date of annexation, . . . | 15,643.29    |
| County-tax fund and special deposits, subject to be withdrawn, . . .                       | 211.01       |
| Fund reserved for school purposes, being one tenth of the annual revenue, . . .            | 7,710.68     |
| Aggregate expenditures, . . .  | 144,668.37   |
| Balance in the treasury Dec. 31, 1847, . . .   | \$61,546.61  |

## TEXAS PUBLIC DEBT.

*Summary Exhibit of the Debt of the late Republic of Texas, including Interest due on the same to the 1st of January, 1848.*

| <i>Debts which may be considered Foreign.</i>   | <i>Debts which may be considered Domestic.</i> |
|---|--|
| Due the Bank of the United States, including interest, . . . \$740,000.00   | Audited drafts, . . . \$267,394.40             |
| *Claimed by James Holford and associates for the purchase of the steamer Zavala, including interest, . . . 333,054.90 | Treasury notes, . . . 2,553,941.00             |
| *Claimed by F. Dawson and others for the payment of naval vessels, including interest, . . . 1,071,000.00             | Eight per cent. bonds, . . . 809,800.00        |
| Total of foreign debt, . . . 2,144,054.90   | Funded debt, . . . 1,675,800.00                |
|   | †Interest on liabilities, . . . 2,539,221.21   |
|   | Unaudited claims, . . . 1,060,000.00           |
|   | Total of domestic debt, . . . 8,906,146.61     |
|   | Total of foreign debt, . . . 2,144,054.90      |
|   | Total debt, . . . 11,060,201.51                |

\* The amount claimed by F. Dawson and others, and James Holford and associates, as the value of naval vessels furnished by them, was originally, by the former \$260,000, and by the latter \$90,014.84; but owing to the failure of the government to meet the demand at maturity, double the sum in ten per cent. bonds was issued, according to the previous agreement, to cover the debt, and is so included in this exhibit.

† The Comptroller has allowed five per cent. interest on the amount of treasury-notes in circulation which were issued not to bear an interest, which amounts to \$740,749.21, and is included in the item of interest. It is for the Legislature to say whether this amount shall be allowed or not.

### Classification of the Public Debt.

*Probable Average Rate at which each Class of the foregoing Liabilities have been available to the Government on a Par Basis.*

|  | Ostensible or<br>face value. | Equivalent<br>value. |
|--|------------------------------|----------------------|
| <b>FIRST CLASS:</b> —Is composed of the amount due the Bank of the United States, that claimed by James Holford and F. Dawson, and certain audited drafts and amount due Samuel Swartwout and others, and the amount of unaudited claims, including interest on the same, all of which are valued at par, as having been so available to the government, . . . . . | \$2,429,394.97               | 2,429,394.97         |
| <b>SECOND CLASS:</b> —Is composed of the ten per cent. consolidated stock of June 7th, 1837, including interest, which is valued at 33½ cents on the dollar, as having been so available to the government, . . . . .  | 1,352,291.93                 | 450,763.97           |
| <b>THIRD CLASS:</b> —Is composed of the ten per cent. stock created by act of Feb. 5th, 1840, and the eight per cent. stock created by the same act, including interest, which are valued at 30 cents on the dollar, as having been so available to the government, . . . . .  | 1,463,152.00                 | 440,445.60           |
| <b>FOURTH CLASS:</b> —Is composed of certain audited drafts in circulation, treasury-notes, and eight per cent. bonds, including interest, which are valued at 25 cents on the dollar, as having been so available to the government, . . . . .  | 4,790,362.61                 | 1,197,590.65         |
| <b>Total, . . . . .</b>  | <b>\$11,050,201.51</b>       | <b>5,528,195.19</b>  |

By the act of the Legislature of the 20th March, 1848, all holders of the liabilities of the late Republic of Texas are required to present them to the Auditor and Comptroller of Public Accounts "on or before the second Monday in November, 1849; and all claims that shall not be presented on or before that time shall be postponed." The claims presented to and acted upon by the Auditor and Comptroller, under the provisions of this law, are to be reported to the Legislature at its next session, "for final adjustment." Those not presented and acted upon by the accounting officers before the said second Monday in November, 1849, cannot be brought in afterwards without further legislative action.

### PRODUCTIVE RESOURCES.

*Summary Exhibit of the different Species of Taxable Property in the State of Texas, and the Amount of Tax accruing thereon, taken from the Assessment Rolls for the Years 1846 and 1847.*

| For 1846.   |                   |              |                   |
|---|-------------------|--------------|-------------------|
| 44,729,174 acres of land, valued at                     | \$27,520,223      | Tax thereon, | \$55,040.44       |
| 23,990 town lots, "                                     | 2,539,176         | "            | 5,078.25          |
| 32,164 negroes, "                                       | 10,488,548        | "            | 20,977.10         |
| 35,648 horses, "  | 1,504,288         | "            | 3,008.58          |
| 382,733 cattle, "                                       | 1,510,950         | "            | 3,021.90          |
| Miscellaneous property, "                               | 1,089,855         | "            | 2,179.71          |
| <b>Total value of property assessed,</b>                | <b>44,653,040</b> |              | <b>89,306.08</b>  |
| <b>Poll tax, (one dollar on each person,) . . . . .</b> |                   |              | <b>15,310.00</b>  |
| <b>Total, . . . . .</b>                                 |                   |              | <b>104,616.08</b> |
| For 1847.   |                   |              |                   |
| 48,807,323 acres of land, valued at                     | \$30,765,395      | Tax thereon, | \$61,530.79       |
| 22,237 town lots, "                                     | 2,934,398         | "            | 5,968.80          |

|  |           |               |             |              |
|--|-----------|---------------|-------------|--------------|
| 37,106 negroes,                        | valued at | \$ 12,131,268 | Tax thereon | \$ 24,262.53 |
| 41,209 horses,                         | "         | 1,721,691     | "           | 3,443.38     |
| 405,746 cattle,                        | "         | 1,662,071     | "           | 3,324.14     |
| Miscellaneous property,                | "         | 1,675,174     | "           | 3,350.35     |
| Total value of property assessed,      |           | 50,939,997    | "           | 101,879.99   |
| Poll tax, (one dollar on each person,) |           |               |             | 18,504.00    |
| Total,                                 |           |               |             | 120,383.99   |

About one sixth of the quantity of land, as shown above, had been assessed from the county records as non-resident property, but was on examination found to have been rendered in other counties than where it lies, and consequently a corresponding reduction should be made from the quantities and valuation of the land as shown in the above exhibit, and a similar reduction made from the amount of taxes.

## PUBLIC LANDS.

|   |            |  |             |
|---|------------|--|-------------|
| Estimated superficial extent of Texas, in square miles, |            |  | 367,067     |
| Estimated area, in acres,                               |            |  | 234,938,012 |
| Amount appropriated under the authorities of Mexico,    | 22,060,000 |  |             |
| " " under the authorities of Texas,                     | 28,469,092 |  |             |
|   |            |  | 50,549,092  |
| Estimated amount of vacant and unappropriated lands,    |            |  | 184,386,920 |

## STATE CENSUS FOR 1847.

|   |        |                              |         |
|---|--------|------------------------------|---------|
| Electors,                               | 22,183 | Total white females,         | 45,503  |
| White males under 18 years,             | 23,063 | Total white population,      | 103,841 |
| White males over 18 and under 45 years, | 25,304 | Total slaves,                | 39,060  |
| White males over 45 years,              | 4,951  | Total free persons of color, | 304     |
| Total white males,                      | 53,338 | Total population of State,*  | 143,205 |

## XXI. ARKANSAS.

## GOVERNMENT

## For the Year 1849.

|                  |                 |   |                            |
|------------------|-----------------|---|----------------------------|
| THOMAS S. DREW,  | of Little Rock, | Governor, (term of office expires Nov. 1852,) | Salary.                    |
|                  |                 |   | Use of a house and \$1,800 |
| David B. Greer,  | of Little Rock, | Sec. of State,                                | Perquisites and 600        |
| Elias N. Conway, | "               | Aud. of Pub. Acc'ts,                          | Fees and 1,200             |
| Samuel Adams,    | of Pulaaki Co., | Treasurer,                                    | Fees and 800               |

The Secretary of State, Auditor, and Treasurer are elected by a joint vote of both Houses of the General Assembly. The Legislature meets biennially at Little Rock. Number of Senators, 25; of Representatives, 75. Their compensation is \$3 a day during the session, and \$3 for every 20 miles travel in coming, to and returning from the seat of government.

\* No returns received from the counties of San Patricio and Santa Fe. The census is to be taken again during the present year.

## Supreme Court.

|                       |                   |                    | Term ends. | Salary.  |
|-----------------------|-------------------|--------------------|------------|----------|
| Thomas Johnson,       | of Saline Co.,    | Chief Justice,     | 1852,      | \$ 1,500 |
| Wm. B. Conway,        | of Hempstead Co., | Associate Justice, | 1848,      | 1,400    |
| Christopher C. Scalt, | of Fayetteville,  | "                  | 1850,      | 1,500    |
| George C. Watkins,    | of Little Rock,   | Attorney-General,  |            | 600      |
| Luke E. Barber,       | "                 | Clerk,             |            | Fees.    |
| Elbert H. English,    | "                 | Reporter,          |            | 200      |

The Supreme Court has appellate jurisdiction only, except in particular cases pointed out by the constitution. It holds annually two terms at Little Rock, in April and October. The judges are elected by the General Assembly, by a joint vote of both Houses, for eight years.

The Circuit Court has original jurisdiction over all criminal cases not expressly provided for otherwise by law; and exclusive original jurisdiction of all crimes amounting to felony at common law; and original jurisdiction of all civil cases which are not cognizable before justices of the peace; and in all matters of contract, where the sum in controversy is over \$100. It holds annually two terms in each circuit. The judges are elected by the General Assembly for a term of four years.

| Judges.                     | Salary. | Prosecuting Attorneys. | Salary.       |
|-----------------------------|---------|------------------------|---------------|
| 1st Circuit, John T. Jones, | \$1,000 | N. M. Foster,          | Fees & \$ 300 |
| 2d " Wm. H. Sutton,         | 1,000   | Joseph W. Bocage,      | " 300         |
| 3d " Wm. C. Scalt,          | 1,000   | Silas C. Walker,       | " - 300       |
| 4th " Sebron G. Sneed,      | 1,000   | A. B. Greenwood,       | " 300         |
| 5th " William Feild,        | 1,000   | George C. Watkins,     | 600           |
| 6th " George Conway,        | 1,000   | Allen W. Blevins,      | Fees and 300  |
| 7th " Wm. W. Floyd,         | 1,000   | Jonas M. Tibbatts,     | " 300         |

## FINANCES.

The receipts into the treasury from all sources for the two fiscal years preceding Oct. 1, 1846,\* were as follows, to wit:—

|   |             |
|---|-------------|
| Amount paid in for redemption of forfeited lands, | \$ 2,115.02 |
| Amount paid by sheriffs and collectors,           | 47,393.88   |
| By non-residents, under act of Jan. 8, 1845,      | 2,409.52    |
| Total,  | 51,918.42   |

Of this amount, \$7,381.99 was paid in specie, \$20,392.19 in treasury-warrants, and \$24,144.24 in Arkansas bank paper.

The expenditures during the same two years, were \$107,221.77

Excess of expenditures over receipts, 55,303.35

The debt of Arkansas on the 1st October, 1846, was \$2,769,336.52, upon which interest had accumulated to the amount of \$847,891. The annual accruing interest is \$164,660.19. This debt was incurred by issuing State bonds on account of two banks, the Real Estate Bank and the State Bank. To meet these liabilities, there are in the Real Estate Bank 187,180.89 acres of land mortgaged by subscribers for stock, the depreciated valuation of which is \$2,012,560.38; and in the State Bank, productive assets to the amount of \$1,083,026.58; in all amounting to \$3,095,586.96. The estimated amount of taxable property in the State in 1846 was \$20,000,000.

\* The sessions of the Legislature are *biennial*. The Legislature met on the 1st Monday in November, 1848.

## XXII. TENNESSEE.

## GOVERNMENT

*For the Year 1849.*

|                       |   |                    |
|-----------------------|---|--------------------|
| NEIL S. BROWN,        | <i>Governor</i> (term expires October, 1849),             | Salary.<br>\$2,000 |
| W. B. A. Ramsey,      | of Nashville, <i>Sec. of St. &amp; Int. Imp. Comm'r</i> , | 800 & f.           |
| Anthony Dibrell,      | " <i>Treasurer</i> ,                                      | 1,500              |
| Felix K. Zollicoffer, | " <i>Comptroller of the Treasury</i> ,                    | 2,000              |
| West H. Humphreys,    | " <i>Attorney-Gen. &amp; Reporter</i> ,                   | 1,000              |
| Gerard Troost,        | " <i>State Geologist</i> ,                                | 500                |

## JUDICIARY.

*Supreme Court.*

|                     |                |                                  |         |
|---------------------|----------------|----------------------------------|---------|
| William B. Turley,  | of Jackson,    | <i>Judge, Western Division</i> , | \$1,800 |
| Robert J. McKinney, | of Greenville, | " <i>Eastern</i> "               | 1,800   |
| Nathan Green,       | of Winchester, | " <i>Middle</i> "                | 1,800   |
| William H. Stevens, | of Jackson,    | <i>Clerk, Western Division</i> . |         |
| James W. Campbell,  | of Knoxville,  | " <i>Eastern</i> "               |         |
| James P. Clark,     | of Nashville,  | " <i>Middle</i> "                |         |

The judges of the Supreme Court are elected by a joint vote of the two Houses of the General Assembly, for the term of 12 years. The judges of the inferior courts are elected in the same manner, for 8 years. There are 14 Circuit Courts. Salary of each judge, \$1,500. Each circuit has an attorney, with a salary of \$200 and fees.

*Court of Chancery.*

|                      |                  |                                       |                    |
|----------------------|------------------|---------------------------------------|--------------------|
| Calvin Jones,        | of Sommersville, | <i>Chancellor, Western Division</i> , | Salary.<br>\$1,500 |
| Thomas L. Williams,  | of Knoxville,    | " <i>Eastern</i> "                    | 1,500              |
| Terry H. Cahal,      | of Columbia,     | " <i>Middle</i> "                     | 1,500              |
| Bromfield L. Ridley, | of M'Minnville,  | " <i>Fourth</i> "                     | 1,500              |

*Circuit Courts.*

| <i>Judges.</i>         | <i>Residence.</i> | <i>Attorneys.</i>    | <i>Residence.</i> |
|------------------------|-------------------|----------------------|-------------------|
| 1. Seth J. W. Lucky,   | Jonesboro.        | A. A. Kyle,          | Rogersville.      |
| 2. Eben'r Alexander,   | Knoxville.        | D. H. Cummings,      | Knoxville.        |
| 3. Charles F. Keith,   | Athens.           | James B. Cooke,      | Athens.           |
| 4. Wm. B. Campbell,    | Carthage.         | M. M. Brien,         | Smithville.       |
| 5. Samuel Anderson,    | Murfreesboro.     | Wm. L. Martin,       | Lebanon.          |
| 6. Thomas Maney,       | Nashville.        | R. C. Foster, 3d,    | Nashville.        |
| 7. Mortimer A. Martin, | Clarksville.      | W. B. Johnson,       | Clarksville.      |
| 8. Edm. Dillahunt,     | Columbia.         | Archelaus M. Hughes, | Columbia.         |
| 9. William Fitzgerald, | Paris.            | J. B. Williams,      | Paris.            |
| 10. John Read,         | Jackson.          | D. P. Skurlock,      | Jackson.          |
| 11. Wm. C. Dunlap,     | Bolivar.          | D. M. Leatherman,    | Memphis.          |
| 12. R. M. Anderson,    | New Market.       | W. R. Caswell,       | Dandridge.        |
| 13. A. J. Marchbanks,  | M'Minnville.      | J. W. Carter,        | M'Minnville.      |
| 14. James Scott,       | Savannah.         | R. A. Hill,          | Waynesboro.       |

*Criminal Court of Davidson County.*

|                    |               |                |                    |
|--------------------|---------------|----------------|--------------------|
| William K. Turner, | of Nashville, | <i>Judge</i> , | Salary.<br>\$1,000 |
|--------------------|---------------|----------------|--------------------|

*Commercial and Criminal Courts of Shelby County.*

|                  |             |                |         |
|------------------|-------------|----------------|---------|
| Ephraim W. King, | of Memphis, | <i>Judge</i> , | \$1,500 |
|------------------|-------------|----------------|---------|

## FINANCES

*For the Year ending October, 1847.*

|                                  |               |
|----------------------------------|---------------|
| Total amount received, . . . . . | \$ 374,660.54 |
| Whole amount expended, . . . . . | 369,521.72    |
| Excess of receipts, . . . . .    | 5,138.82      |

The amount of productive property held by the State is \$4,837,430.64; of unproductive property, \$1,101,390. The State debt amounts to \$3,337,856.66, and the annual interest on it is \$177,426.37. The excess of the whole property of the State over its entire debt is \$2,600,963.98; the excess of the productive property over the debt is \$1,499,573.98.

*Principal Items of Expenditure.*

|                                     |              |
|-------------------------------------|--------------|
| Salaries of the Judiciary, . . .    | \$ 38,631.07 |
| Salaries of executive officers, . . | 7,725.62     |
| Costs of State prosecutions, . .    | 31,471.55    |
| Common schools, . . . . .           | 191,241.84   |
| Academies, . . . . .                | 21,562.06    |
| Charitable institutions, . . . .    | 17,400.00    |
| Building State-House, . . . .       | 16,000.00    |
| Payment of interest on State bonds, | 51,860.99    |
| Purchase of State bonds, . . . .    | 22,499.99    |
| Conveying convicts to prison, . .   | 3,510.66     |

*Chief Sources of Income.*

|                                     |              |
|-------------------------------------|--------------|
| Direct taxes on property, . . .     | \$ 93,597.41 |
| " on privileges, . . . . .          | 77,068.42    |
| " on banks and insurance companies, | 15,375.00    |
| Taxes on lawsuits, . . . . .        | 17,931.59    |
| Entries of public lands, . . . .    | 31,458.65    |
| Div. of State Bank for academies,   | 18,000.00    |
| " " for com. schools,               | 100,000.00   |
| Internal improvement dividends,     | 21,228.72    |

*Internal Improvements.* — The *Nashville and Chattanooga Railroad*, projected to connect Nashville with Chattanooga, the terminus of the Western and Atlantic (Ga.) Railroad, will be, when completed, 152 miles long. A company has been formed, the stock subscribed, and the road partly located. The work is expected to be completed in about three years; estimated cost, \$2,800,000. The track is to be laid down in the most durable manner with rails weighing 100 tons to the mile, upon continuous bearings, &c., of red cedar. This road is considered a very important one, as it completes the chain of roads by which a direct railroad communication will be opened between the heart of the great Southwest and the Atlantic Ocean, at Charleston and Savannah.

The *Hiccassee Railroad*, designed to extend from Knoxville to the Western and Atlantic Railroad at a point near the Tennessee line, a distance of about 100 miles, was commenced in 1836. About 70 miles of the road were graded at a cost of \$1,000,000, when the company were compelled by financial difficulties to suspend the work. Strong efforts have been made to resume it, but without success as yet.

*State Prison.* — According to the Agent's report, there were 189 prisoners in the Tennessee Penitentiary on the 30th Sept., 1845. Since received, 149; of whom 141 were white males, 6 black males, 1 white female, and 1 black female. There have been discharged during the two years ending Sept. 30, 1847, by expiration of sentence, 75; by pardons under law of 1836, 42; by general pardons, 14; by writs of error, 2; slave proved by master, 1; deaths, 9. Number now in confinement, 195. Of these, 56 were convicted for crimes against life and the person; 121 for crimes against property, including larceny, forgery, counterfeiting, burglary, &c.; 14 for negro stealing, harbouring, &c.; 2 for incest; 8 for bigamy; 4 for arson; and 1 for perjury. There are 18 under 20 years of age; 54 from 20 to 25; 38 from 25 to 30; 46 from 30 to 40; 29 from 40 to 50; 10 over 50.

*Tennessee Lunatic Asylum, Nashville.* — Dr. John S. McNairy, Superintendent and Physician. The number of patients admitted during the two years ending Oct. 1, 1847, was 100. Of these, 20 were discharged restored; 8 were taken away by friends, much improved; 6 died; 9 remain much improved, and 55 unimproved; 2 escaped, when greatly improved. Receipts during the two years, \$20,820.10; expenditures, \$15,103.21.

*Institution for the Blind, Nashville.* — Established in 1844. Number of pupils, 15.

The *Deaf and Dumb School*, at Knoxville, established in 1845, has 25 pupils. The Legislature, at the last session, appropriated \$5,000 a year, for two years to come, to each of these schools.



The only returns required of the District School Commissioners are of the scholastic population of their several districts. The amount of school fund apportioned among the several counties in July, 1847, was \$ 117,294.12; increased, by sums remaining undrawn in treasury and otherwise, to \$ 191,241.84. Scholastic population same time, 266,078. Amount apportioned in July, 1848, \$ 114,227.18. Scholastic population, 272,000 and a fraction. The school fund amounted in October, 1847, to \$ 1,346,063.15.

The contributions for the relief of Ireland received by the Nashville committee were, in money, \$ 5,413.22; in provisions, \$ 783. Total, \$ 6,196.22.

## XXIII. KENTUCKY.

## GOVERNMENT

For the Year 1849.

|                       |                   |  | Salary.      |
|-----------------------|-------------------|--|--------------|
| JOHN J. CRITTENDEN,   | of Franklin Co.,  | <i>Governor</i> (term of office expires in September, 1852), | \$ 2,500     |
| John L. Helm,         | of Henderson Co., | <i>Lt.-Gov. &amp; Sp. of the Senate.</i>                     |              |
|                       |                   | Pay, while presiding, \$ 6 a day.                            |              |
| Orlando Brown,        | of Frankfort,     | <i>Secretary of State,</i>                                   | 750          |
| Harry J. Bodley,      | "                 | <i>Auditor of Public Accounts,</i>                           | 1,250        |
| Thomas S. Page,       | "                 | <i>2d Auditor,</i>   | 1,500        |
| Bryan Y. Owsley,      | "                 | <i>Register of the Land-Office,</i>                          | 1,250        |
| Peter Dudley,         | "                 | <i>Treasurer,</i>  | 1,250        |
| Peter Dudley,         | "                 | <i>Adjutant-General,</i>                                     | 150          |
| Ambrose W. Dudley,    | "                 | <i>Quartermaster-General,</i>                                | 100          |
| Richard D. Harlan,    | "                 | <i>State Librarian,</i>                                      | 250          |
| Rob. J. Breckenridge, | of Lexington,     | <i>Sup't of Public Instruction,</i>                          | 750          |
| Theodore Kohlhaas,    | of Winchester,    | <i>Clerk of the Senate,</i>                                  | \$ 10 a day. |
| Thomas J. Helm,       | of Glasgow,       | <i>Clerk of the House,</i>                                   | 10 a day.    |

A large majority of the voters having voted, at the elections of August, 1847, and August, 1848, in favor of a convention to change the present constitution, a convention for that purpose will be held in 1849.

## JUDICIARY.

## Court of Appeals.

|                     |                |                          |                      |
|---------------------|----------------|--------------------------|----------------------|
| Thomas A. Marshall, | of Lexington,  | <i>Chief Justice,</i>    | \$ 1,500             |
| Daniel Breck,       | of Richmond,   | <i>Judge,</i>            | 1,500                |
| James Simpson,      | of Winchester, | "                        | 1,500                |
| Madison C. Johnson, | of Lexington,  | <i>Attorney-General,</i> | \$ 300 and fees.     |
| Jacob Swigert,      | of Frankfort,  | <i>Clerk,</i>            | Fees.                |
| Joseph Gray,        | "              | <i>Sergeant,</i>         | \$ 2 a day and fees. |
| Benjamin Monroe,    | "              | <i>Reporter.</i>         |                      |

## General Court.

|                  |              |               |   |
|------------------|--------------|---------------|---|
| John L. Bridges, | of Danville, | <i>Judge.</i> | A. H. Rennick, of Frankfort, <i>Clerk.</i>  |
|                  |              |               | Joseph Gray, of Frankfort, <i>Sergeant.</i> |

## Louisville Chancery Court.

|                     |                |                    |          |
|---------------------|----------------|--------------------|----------|
| Samuel S. Nicholas, | of Louisville, | <i>Chancellor,</i> | \$ 2,000 |
| Charles J. Clarke,  | "              | <i>Clerk,</i>      | Fees.    |
| Joseph Mayo,        | "              | <i>Master,</i>     | Fees.    |
| John A. Crittenden, | "              | <i>Marshal,</i>    | Fees.    |

*Circuit Courts.*

| <i>Judges.</i>           | <i>Residence.</i> | <i>Attorneys.</i>       | <i>Residence</i> |
|--------------------------|-------------------|-------------------------|------------------|
| 1. Walker Reid,          | Washington.       | Harrison Taylor,        | Washington.      |
| 2. Henry O. Brown,       | Nelson County.    | Livingston Lindsay,     | Princeton.       |
| 3. Richard A. Buckner,   | Lexington.        | Alexander H. Robertson, | Lexington.       |
| 4. James Pryor,          | Carrollton.       | Richard Logan,          | Newcastle.       |
| 5. William F. Bullock,   | Louisville.       | Nathaniel Wolfe,        | Louisville.      |
| 6. Asher W. Graham,      | Bowling Green.    | William V. Loving,      | Bowling Green.   |
| 7. Benjamin Shackelford, | Hopkinsville.     | Ninian E. Gray,         | Hopkinsville.    |
| 8. Christopher Tompkins, | Glasgow.          | Zachariah Wheat,        | Columbia.        |
| 9. Samuel Lusk,          | Lancaster.        | George Shanklin,        | Nicholasville.   |
| 10. William C. Goodloe,  | Richmond.         | Thomas Turner, Jr.,     | Richmond.        |
| 11. Kenaz Farrow,        | Mount Sterling.   | Thomas B. Porter,       | Flemingsburg.    |
| 12. John L. Bridges,     | Danville.         | Jeremiah T. Boyle,      | Danville.        |
| 13. Samuel Carpenter,    | Bardstown.        | William Alexander,      | Brandenburg.     |
| 14. John Calhoon,        | Daviess County.   | Alfred Allen,           | Hardinsburg.     |
| 15. Tunstall Quarles,    | London.           | Silas Woodson,          | Barboursville.   |
| 16. Wiley P. Fowler,     | Smithland.        | Edw. J. Bullock,        | Hickman.         |
| 17. Mason Brown,         | Frankfort.        | Thomas N. Lindsey,      | Frankfort.       |
| 18. B. Mills Crenshaw,   | Glasgow.          | Wm. R. McFerrin,        | Glasgow.         |
| 19. William B. Kinkad,   | Lexington.        | Green V. Goble,         | Louis.           |

*Board of Internal Improvement.* — Owen G. Cates, of Frankfort, *President* (salary, \$1000), Dillis Dyer, of Rumsey, and Austin P. Cox, of Frankfort, *Secretary*.

*State Institutions for the Relief of the Unfortunate.* — Lunatic Asylum, at Lexington, founded in 1822, number of inmates during the year 1846, 301; Deaf and Dumb Asylum, at Danville, founded in 1822, 53 pupils; School for the Blind, at Louisville, founded in 1842, 31 pupils; Marine Hospital, at Smithland, established in 1827; Penitentiary, established in 1798, average number of convicts during the year 1846, 187; Louisville Marine Hospital, established in 1835.

**FINANCES.**

*Sinking Fund.* — Certain resources are provided for the payment of the interest and principal of the public debt of the State. It is under the control and management of the following persons as Commissioners: — John J. Crittenden, Governor, and Chairman *ex officio*; John Tilford, President of Northern Bank of Kentucky; Virgil M'Knight, President of the Bank of Kentucky; J. B. Bowles, President of the Bank of Louisville; Thomas S. Page, Second Auditor; H. J. Bodley, Auditor; and E. H. Taylor, Cashier of Frankfort Branch Bank; H. J. Bodley, Secretary *ex officio*. The receipts of the Fund during the year 1847 were \$417,706.95; the expenditures for the same time, \$350,137.44; leaving a balance of \$67,569.51. The interest on the debt has been promptly paid.

*Ordinary Revenue.* — Receipts into the treasury for the year ending October 10, 1847, \$419,143.46. Ordinary expenses of the government for the same time, \$399,874.23, leaving a balance in the treasury of \$19,269.23. Valuation of property liable to taxation in 1847, \$254,716,183; increase since 1846, \$12,327,216. A tax of 15 cents is collected on each \$100 worth of property, besides a specific tax on carriages, &c. One third of the tax collected is paid to the Commissioners of the Sinking Fund to aid them in the payment of the State debt. Total number of white males over 21 years old in 1847, 141,879. Average value of the land in the State, \$6.50 per acre. Total number of slaves, 189,549; value, \$58,115,964.

*State Debt.* — The entire funded debt of the State is \$4,608,735.86, to pay which the State owns \$1,270,500 of bank stock, about 400 miles of turnpike-road stocks, 29 miles of railroad, and 290 miles of slack-water navigation, all of which yields about \$135,000 per annum; this, added to the tax assessed on property, makes a sum sufficient to pay the interest on the public debt.

## XXIV. OHIO.

## GOVERNMENT.

|  | Salary.  |
|--|----------|
| <b>WILLIAM BEBB</b> , of Hamilton, <i>Governor</i> (term of office expires on the 1st Monday in December, 1848), | \$ 1,200 |
| <b>Samuel Galloway</b> , of Ross Co., <i>Sec. of State and Sup't of Schools</i> ,                                | 900      |
| <b>John Woods</b> , of Butler Co., <i>Auditor of State</i> ,   | 1,200    |
| <b>Albert A. Bliss</b> , of Elyria, <i>Treasurer of State</i> ,  | 1,000    |
| <b>L. Dewey</b> , of Ravenna, <i>Warden of the State Penitentiary</i> ,  | 800      |
| <b>O. M. Mitchell</b> , of Cincinnati, <i>Adjutant-General</i> ,   | 200      |
| <b>E. N. Slocum</b> , of Cincinnati, <i>Quartermaster-General</i> ,  | 300      |
| <b>Samuel F. Carey</b> , of Cincinnati, <i>Paymaster-General</i> .   |          |
| <b>John Greiner</b> , of Zanesville, <i>Librarian of the State Library</i> ,                                     | 500      |

*Commissioners of the Board of Public Works.*

|   |                |
|---|----------------|
| <b>Oran Follett</b> , of Sandusky, Erie Co., <i>President</i> ,           | \$ 2.50 a day. |
| <b>Samuel Forrer</b> , of Dayton, Montgomery Co., <i>Act. Commis.</i> ,   | 1,000          |
| <b>J. Brickensderfer</b> , of Tuscarawas, Tuscar. Co.,                    | " 1,000        |
| <b>E. N. Sill</b> , <i>Acting Commissioner of the Canal Fund</i> ,        | 666            |
| <b>Richard Howe</b> , of Akron, <i>Res. Engineer Ohio Canal</i> ,         | 800            |
| <b>Samuel Carpenter</b> , of Lancaster, " " <i>Ohio and Hocking C.</i> ,  | 800            |
| <b>E. C. Cook</b> , of Zanesville, " " <i>Mus. Impr. &amp; Walk. C.</i> , | 800            |
| <b>John Waddle</b> , of Chillicothe, " " <i>Ohio Canal</i> ,              | 800            |
| <b>A. F. Hinsch</b> , of Lebanon, " " <i>Miami Canal</i> ,                | 800            |
| <b>A. G. Conover</b> , of St. Mary's, " " <i>Miami Ex. Canal</i> ,        | 800            |
| <b>Cyrus Howard</b> , of Florida, " " <i>Wabash and Erie Canal</i> ,      | 800            |
| <b>John Field</b> , of Columbus, " " <i>National Road</i> ,               | 700            |
| <b>John Hoersh</b> , of Cambridge, " " " "                                | 700            |

The Auditor and Treasurer of State are advisory Commissioners of the Canal Fund.

|  |  |
|--|--|
| <b>Chas. B. Goddard</b> , of Muskingum Co., <i>Speaker of the Senate</i> . |  |
| <b>Jos. S. Hawkins</b> , of Preble Co., <i>Speaker of the House</i> .      |  |
| <b>Albert Galloway</b> , of Greene, <i>Clerk of the Senate</i> .           |  |
| <b>Henry A. Swift</b> , <i>Clerk of the House</i> .                        |  |

## JUDICIARY.

The judges of the Supreme Court, of the Courts of Common Pleas, and of the courts of the cities, are elected by the Legislature for seven years. Of the judges of the Supreme Court, the oldest in commission is Chief Judge, if the Chief Judge is not reelected. Two of the four judges hold a court in each county once every year. The several Courts of Common Pleas are held three times a year, by a resident judge and three associate judges in most of the counties; but in the counties very recently organized, only twice a year. The judges who receive but \$ 1,000 salary were elected after the law of January, 1844, reducing the salaries of public officers, was passed. The associate judges receive \$ 2.50 a day.

*Supreme Court.*

|   |   | Elected. | Salary.               |
|---|---|----------|-----------------------|
| Matthew Burchard, of Warren,  | <i>Chief Judge,</i>                         | 1842,    | \$ 1,500              |
| Nathaniel C. Reed, of Cincinnati,   | <i>Associate Judge,</i>                     | 1842,    | 1,500                 |
| Peter Hitchcock, of Geauga Co.,   | "   | 1845,    | 1,300                 |
| Edward Avery, of Wooster,   | "   | 1847,    | 1,300                 |
| <i>Lewis Heyl, of Columbus, Clerk of Court in Bank, and Sup. Ct. Franklin Co.</i> |   |          |                       |
| Daniel Gano, of Cincinnati,   | <i>Clerk of Supreme Court, Hamilton Co.</i> |          |                       |
| Edwin Smith, of Dayton,   | " "   | "        | <i>Montgomery Co.</i> |
| Hugh Boyle, of Lancaster,   | " "   | "        | <i>Fairfield Co.</i>  |
| Ezekiel T. Cox, of Zanesville,  | " "   | "        | <i>Muskingum Co.</i>  |
| Thomas W. Ewart, of Marietta,   | " "   | "        | <i>Washington Co.</i> |
| Aaron A. Clark, of Cleveland,   | " "   | "        | <i>Cuyahoga Co.</i>   |
| James McBride, of Hamilton,   | " "   | "        | <i>Butler Co.</i>     |
| James S. Halsey, of Springfield,  | " "   | "        | <i>Clarke Co.</i>     |
| Samuel More, of Circleville,  | " "   | "        | <i>Pickaway Co.</i>   |
| John S. Patterson, of Steubenville,   | " "   | "        | <i>Jefferson Co.</i>  |
| Wm. C. Lanville, of Wooster,  | " "   | "        | <i>Wayne Co.</i>      |
| Horace Y. Beebe, of Ravenna,  | " "   | "        | <i>Portage Co.</i>    |
| John J. Turner, of Portsmouth,  | " "   | "        | <i>Scioto Co.</i>     |
| Henry Stanberry, of Columbus,   | <i>Attorney-General,</i>                    |          | \$ 1,300              |
| Hiram Griswold, of Canton, Stark Co.,   | <i>Reporter,</i>                            |          | 300                   |

*Courts of Common Pleas.*

|                      |   |                            |          |
|----------------------|---|----------------------------|----------|
| George B. Holt,      | of Dayton,                              | <i>Judge, 1st Circuit,</i> | \$ 1,200 |
| Ozias Bowen,         | of Marion,                              | " 2d "                     | 1,000    |
| Benj. F. Wade,       | of Jefferson,                           | " 3d "                     | 1,000    |
| Richard Stilwell,    | of Zanesville,                          | " 4th "                    | 1,000    |
| John Pearce,         | of Carrolltown,                         | " 5th "                    | 1,000    |
| John H. Keith,       | of Chillicothe,                         | " 6th "                    | 1,200    |
| Elijah Vance,        | of Hamilton,                            | " 7th "                    | 1,200    |
| Arius Nye,           | of Marietta,                            | " 8th "                    | 1,000    |
| W. B. Caldwell,      | of Cincinnati,                          | " 9th "                    | 1,200    |
| Elijah Vance,        | of West Union,                          | " 10th "                   | 1,000    |
| Levi Cox,            | of Wooster,                             | " 11th "                   | 1,000    |
| James L. Torbert,    | of Springfield,                         | " 12th "                   | 1,000    |
| Eben. B. Sadler,     | of Sandusky,                            | " 13th "                   | 1,000    |
| Benjamin Bissell,    | of Painesville,                         | " 14th "                   | 1,200    |
| Benj. S. Cowen,      | of St. Clairsville,                     | " 15th "                   | 1,000    |
| Patrick G. Goode,    | of Sydney,                              | " 16th "                   | 1,000    |
| William V. Peck,     | of Portsmouth,                          | " *17th "                  | 1,000    |
| George B. Way,       | of Defiance,                            | " *18th "                  | 1,000    |
| Sherlock J. Andrews, | <i>*Superior Court of Cleveland,</i>    |                            | 1,000    |
| William Johnson,     | " " <i>Cincinnati,</i>                  |                            | 1,500    |
| Thomas M. Key,       | <i>*Commercial Court of Cincinnati,</i> |                            | 1,000    |

The Superior Court of Cincinnati has original civil jurisdiction with the Court of Common Pleas of Hamilton Co., at common law and in chancery.

\* Created during the present year.

The Commercial Court of Cincinnati has original concurrent jurisdiction with the Court of Common Pleas of Hamilton Co., in all cases founded on matter of contract, both at law and in chancery. It is held by a single judge, appointed by the Legislature for the term of seven years. It has also a jury, in all respects like the Common Pleas. Suits are reviewed by the Supreme Court upon appeal and writs of error.

## FINANCES.

The total debt of the State on the 30th of November, 1847, including foreign debt, domestic debt, and school funds lent to the State, was \$19,233,487.26, upon which the annual interest is \$1,163,509.22.

|   |                |
|---|----------------|
| The total amount of receipts for the year ending Nov. 15th, 1847, was | \$2,644,785.21 |
| Balance in Treasury, Nov. 15th, 1846,                                 | 247,518.45     |
| Total,  | 2,892,303.66   |
| Total disbursements for all purposes during the year,                 | 2,397,605.62   |
| Balance in Treasury Nov. 15th, 1847,                                  | 494,698.04     |
| The ordinary annual revenues for the year were                        | 2,212,240.31   |
| The annual expenditures, during the year, were                        | 1,905,940.39   |
| Excess of ordinary revenue over annual expenditures,                  | 306,299.92     |

*Chief Sources of Income.*

|                                     |              |                                     |              |
|-------------------------------------|--------------|-------------------------------------|--------------|
| 1½ mills tax for general revenue,   | \$222,756.87 | Judicial officers,                  | \$24,692.50  |
| 6 mills tax for canal fund,         | 890,422.95   | State printing,                     | 11,964.50    |
| ½ mill tax for common schools,      | 74,201.82    | Stationery for State,               | 8,013.03     |
| Tax on lawyers and physicians, auc- |              | Deaf and Dumb Asylum,               | 13,102.35    |
| tion duties, foreign insurance      |              | Lunatic Asylum,                     | 35,220.00    |
| companies, &c.,                     | 15,146.81    | Asylum for the Blind,               | 8,000.00     |
| Canal tolls,                        | 790,793.75   | Postage Ohio Legislature,           | 3,613.67     |
| Dividends,                          | 36,848.10    | Ohio State Library,                 | 406.94       |
| Interest on surplus revenue,        | 86,379.06    | Ohio Penitentiary,                  | 10,006.31    |
| Bank and insurance tax, &c.,        | 41,748.52    | Common School Fund,                 | 201,319.51   |
| Canal lands sold,                   | 53,942.40    | Interest on foreign debt, paid in   |              |
| Tolls on National Road,             | 42,614.59    | New York,                           | 1,027,356.95 |
|                                     |              | Interest on domestic bonds,         | 47,835.27    |
|                                     |              | Interest on school and trust funds, | 86,218.16    |
|                                     |              | Repairs of canals and public works, | 315,178.44   |
|                                     |              | Domestic bonds redeemed,            | 119,883.73   |

*Principal Items of Expenditure.*

|                 |             |
|-----------------|-------------|
| Legislature,    | \$26,632.64 |
| State officers, | 17,326.91   |

The farm stock in Ohio, according to the assessors' returns for 1847, was as follows:— Number of horses over two years old, 472,392; of mules, over 1½ years old, 1,205; of cattle over two years old, 900,162; of sheep over six months old, 3,365,025; of hogs, 1,757,318.

*Internal Improvements.*

| Names of Canals.                                   | No. of miles in Length. | Net Receipts after paying Repairs and Expenses. |              |              |
|--|-------------------------|---|--------------|--------------|
|  |                         | 1845.   | 1846.        | 1847.        |
| Ohio Canal and Branches,                           | 334                     | \$134,800.17                                    | \$258,646.43 | \$341,971.39 |
| Miami Canal and Branches,                          | 84½                     | 20,798.08                                       | 35,225.48    | 81,095.89    |
| Miami Ex. Canal and Branches,                      | 139                     |   | 14,081.76    | 23,784.22    |
| Wabash and Erie Canal and Branches,                | 91                      | 60,708.81                                       | 102,581.20   | 86,416.40    |
| Walhonding Canal,                                  | 25                      |   |              | 2,726.81*    |
| Hocking Canal,                                     | 55                      |   | 444.72       | 231.24*      |
| Muskingum Improvement,                             | 91                      |   |              | 2,135.62     |
| Total,   | 820½                    | 216,307.06                                      | 410,979.59   | 535,403.52   |
| Expenditures over receipts on a part of the works, |                         | 12,024.46                                       | 2,061.63     | 2,958.05     |
| Total net receipts,                                |                         | 204,282.60                                      | 408,917.96   | 532,445.47   |

The cost of these works up to 1846 was \$15,122,503.23. From the National Road the net receipts were \$5,598.52. The Mad River and Lake Erie Railroad was completed August

\* Excess of expenditures over receipts.

21, 1848, as far as Springfield, 134 miles, where it connects with the Little Miami, and completes the communication by steam between Lake Erie and the Ohio River.

*Common Schools.* — Amount of School Fund owned by the State, \$1,519,371.78. Amount apportioned for school purposes to the several counties for the year 1848, \$289,985.25. The number of whole school districts in the State is 6,156; of fractional districts, 876; of common schools, 4,882; of teachers, male 2,829, female 2,577; of scholars enrolled, males 33,232, females 30,626; average daily attendance, males 44,257½, females 34,606½. The amount of wages paid to teachers from public funds was, to males \$132,914.33, to females \$50,232.81; from other sources, males \$27,187.98, females \$12,503.79. 175 new school-houses were built the past year, at a cost of \$35,866.17.

*Deaf and Dumb Asylum.* — Receipts for year ending Sept. 30, 1847, \$11,423.80. Balance at beginning of year, \$4,676.96. Total, \$16,100.76. Expenses, \$11,427.47. Average number of pupils, 100; total for the year, 122. Expense of each pupil per week for board, including steward's salary, 70 to 75 cents. Total annual cost of each pupil, \$99.63.

*Ohio Lunatic Asylum.* — Statistics for nine years, from Nov. 30, 1839, to Nov. 15, 1847, inclusive. The number admitted during the nine years was 1047; of whom were males, 551; females, 496; old cases, 528; recent cases, 519; pay patients, 311; State patients admitted, 736. Number of males discharged, 390; of females, 328. Number of males recovered, 250; of females, 198. During the nine years, of the whole number, 1,047, 115 died, making the average per cent. of deaths on all admitted in nine years, 10.09. For the year ending Nov. 15, 1847, the per cent. of recoveries on all recent cases discharged was 90.20; on all old cases discharged, 28.03; total on the whole number discharged, 62.40; grand per cent. of recoveries on all admitted in nine years, 42.79; per cent. of deaths on the average numbers in nine years, 8.09.

*Ohio Penitentiary.* — Darwin Dewey, Warden. The number of prisoners, Nov. 30, 1847, was 445; of whom 390 were white males; 7 white females; 2 colored females; 46 colored males. 189 males were married, and 247 were single; of the females, 8 were married, and 1 was single. Of the 445, 297 can read and write; 69 can read print only; 37 were taught to read while inmates of the prison; 19 cannot read intelligibly, and 23 can neither read nor write. 91 prisoners were admitted during the year, of whom 12 were foreigners, 2 natives of Canada, and 2 unknown. Of the 91, 52 were committed for offences against property, including burglary, larceny, counterfeiting, horse-stealing, &c., 3 for arson, 5 for forgery, 4 for robbing the mails, and 27 for offences against life or the person. 3 prisoners are under sentence for life; 4 for ten years; 15 for four years; 90 for three years; and 14 for one year.

*Statistics of Crime.* — Number of prosecutions, 1,214; of convictions, 799; of acquittals, 173. 2 were sentenced to the penitentiary for life; 1 for ten years or more; and 66 for terms of less than ten years. 126 were sentenced to the county jail. Of the offences, 59 were against the person feloniously; 217 against the person not feloniously; 48 against property with violence; 213 against property without violence; and 577 miscellaneous, or not reported. Of the miscellaneous, 254 were for retailing, and 91 for keeping tavern without license. The amount of fines paid was \$6,602.78; of costs, \$11,514.43; of costs collectable, \$4,321.70; of bonds forfeited, \$2,050.

## XXV. MICHIGAN.

### GOVERNMENT

#### For the Year 1849.

|   |                    |
|---|--------------------|
| EPAPHRODITUS RANSOM, of Kalamazoo, Governor (term of office expires 1st Monday of January, 1850), | Salary.<br>\$1,500 |
| William M. Fenton, of Fentonville, Lieutenant-Governor,   | \$6 per diem       |
| [during the session of the Legislature.]  |                    |

|                       |                 |                                  | Salary.      |
|-----------------------|-----------------|----------------------------------|--------------|
| George W. Peck,       | of Lansing,     | <i>Secretary of State,</i>       | Fees and 800 |
| John J. Adam,         | of Lenawee,     | <i>Auditor-General,</i>          | 1,000        |
| George B. Cooper,     | of Jackson,     | <i>State Treasurer,</i>          | 1,000        |
| George V. N. Lothrop, | of Detroit,     | <i>Attorney-General,</i>         | Exp. and 700 |
| Ira Mayhew,           | of Monroe,      | <i>Sup't Public Instruction,</i> | 500          |
| Abiel Silver,         | of Edwardsburg, | <i>Comm'r of Land-Office,</i>    | 1,000        |
| Henry C. Bunce,       | of Marshall,    | <i>Recorder of Land-Office,</i>  | 400          |
| John E. Schwarz,      | of Detroit,     | <i>Adj.-Gen. and Q. M. Gen.,</i> | 450          |
| Jonas H. Titus,       | of Jackson,     | <i>Agent of State Prison,</i>    | 750          |

The seat of government is located permanently at Lansing, Ingham county, to which place the public offices were removed in December, 1847.

#### JUDICIARY.

##### *Supreme Court.*

|                     |                  |                           | Salary.  |
|---------------------|------------------|---------------------------|----------|
| Charles W. Whipple, | of Niles,        | <i>Chief Justice,</i>     | \$ 1,500 |
| Warner Wing,        | of Monroe,       | <i>Associate Justice,</i> | 1,500    |
| George Miles,       | of Ann Arbor,    | "                         | 1,500    |
| Sanford M. Green,   | of Pontiac,      | "                         | 1,500    |
| Edward Mundy,       | of Grand Rapids, | "                         | 1,500    |
| Samuel T. Douglass, | of Detroit,      | <i>Reporter,</i>          | 500      |

The judges of the Supreme Court are appointed by the Governor, by and with the advice and consent of the Senate, and hold office for seven years.

*Circuit Courts.* — There are five judicial circuits in the State, to each of which is assigned a justice of the Supreme Court, who holds one or two terms of the Circuit Court annually in each county. These courts have original equity jurisdiction and appellate jurisdiction of probate cases and cases from the County Courts. They have concurrent jurisdiction with the County Courts of all civil actions where the amount in controversy exceeds five hundred dollars.

*County Courts.* — These are courts of general common law jurisdiction, both civil and criminal. They have *exclusive* jurisdiction of all actions where the amount in controversy does not exceed five hundred dollars, except cases cognizable by a justice of the peace, and *concurrent* jurisdiction with the Circuit Courts in all other civil actions, and in proceedings in equity for the foreclosure of mortgages. They have also appellate jurisdiction of causes cognizable by justices of the peace. Persons indicted for offences punishable by imprisonment in the State prison may demand a trial before the circuit judge, who in such cases presides in the County Court upon the trial. These courts are held by the county judge, or in his absence, or where he is interested, by the second judge, both of whom are elected by the people for four years, and are paid by fees.

*Courts of Probate.* — There is a Court of Probate in each county. The judge is elected by the people, and paid by fees.

## FINANCES.

|  |              |
|--|--------------|
| Total receipts into the treasury, credit of general fund, in 1847, . . . . . | \$185,134.46 |
| Total expenditures from general fund, in 1847, . . . . .                     | 165,306.05   |
| Balance in the treasury, Nov. 30, 1847, including balance of 1846, . . . . . | 64,470.33    |

*Debt of the State.*

|   |                     |
|---|---------------------|
| Of the general fund, . . . . .  | 325,169.00          |
| Of the internal improvement fund.—Foreign, . . . . .                            | \$1,917,132.34      |
| Domestic, . . . . .   | 473,467.17          |
|   | <u>2,390,599.51</u> |
|   | 2,715,768.51        |
| Less unpaid balance due from Southern Railroad, . . . . .                       | <u>425,000.00</u>   |
| Total debt of the State, for which she is liable without contingency, . . . . . | 2,290,768.51        |

The value of the taxable property of the State, as assessed for 1847, was \$27,617,240.13, and the State tax for the support of the government, at 2½ mills on the dollar, amounted to \$69,043.10.

The Legislature of 1847 provided by law for the funding of the entire State debt ascertained to be due, and for the assessment of a direct tax for the payment of the interest thereon, semiannually.

|  |                   |
|--|-------------------|
| The total receipts for the year ending November 30, 1847, were . . . . . | \$185,134.46      |
| Total expenditures during the same period, . . . . .                     | <u>165,306.05</u> |
| Excess of receipts, . . . . .  | 19,828.41         |

The receipts of this year exceed those of 1846 by \$25,782.71, and those of 1845, by \$53,438.83.

*Chief Sources of Income.*

|   |             |
|---|-------------|
| Delinquent taxes, . . . . .                   | \$55,182.85 |
| Sundry counties, . . . . .                    | 31,071.16   |
| Redemption of lands sold for taxes, . . . . . | 24,753.11   |
| Lands sold for taxes, . . . . .               | 56,756.31   |
| Bank tax, . . . . .                           | 1,990.71    |
| Railroad tax, . . . . .                       | 2,772.22    |

*Principal Items of Expenditure.*

|   |                  |
|---|------------------|
| Legislature, . . . . .                    | \$39,373.04      |
| Executive, . . . . .                      | 11,597.39        |
| Judiciary, . . . . .                      | 8,453.49         |
| Revised Statutes, . . . . .               | 7,599.00         |
| State Prison, . . . . .                   | 7,574.99         |
| To Counties for taxes, . . . . .          | 26,641.60        |
| Expenses of sales of tax lands, . . . . . | 13,603.12        |
| Miscellaneous, . . . . .                  | <u>40,463.42</u> |

*Internal Improvements.*—The Central Railroad, which was sold by the State in September, 1846, to the Michigan Central Railroad Company, for \$2,000,000 and the accruing interest, has been fully paid for, and is now completed and in operation to Paw-Paw, in Van Buren county, distant from Detroit 160 miles.

|  |                  |
|--|------------------|
| The total earnings of this road for 13 months, ending May 31, 1848, were . . . . . | \$401,047.52     |
| Total expenses for operating, same time, . . . . .                                 | 201,858.46       |
| The receipts from passengers were, . . . . .                                       | \$152,052.72     |
| “ “ freight, . . . . .   | 234,648.94       |
| “ “ miscellaneous, . . . . .   | <u>14,345.86</u> |
| Total receipts, . . . . .  | 401,047.52       |

The earnings of the Central Railroad since its purchase by the company to the 1st day of July, 1847, a period of about 9 months, have been as follows:—From freight, \$197,148.20; from passengers, \$89,532.17. Total earnings, \$288,756.70. Running expenses, \$112,945.13. Making the net proceeds from Sept. 23, 1846, to July 1, 1847, \$175,911.57.

## EDUCATION.

The Superintendent of Public Instruction has general supervision of the University and primary schools, and is obliged by law to report annually to the Legislature the condition thereof.

*State University.*—The University is located at Ann Arbor, in Washtenaw county, and is supported by a fund arising from lands appropriated to its use by the United States. Its



government is vested in a Board of Regents, consisting of twelve members appointed by the Governor with the advice and consent of the Senate, and of the Governor, Lieutenant-Governor, and the judges of the Supreme Court, who are members *ex officio*. No charge is made for tuition. It consists of three departments:—1. Literature, science, and the arts; 2. Law; 3. Medicine. There are at present two buildings erected, and one in process of erection, besides four houses appropriated to the use of the professors. There are seven professors now appointed and acting. Provision is made by law for twenty-six professorships, to be filled as the wants of the institution shall require. The present number of undergraduates in the collegiate department is eighty-nine. Provision is made for branches, in which shall be established departments for female education, for the education of teachers, and for agricultural science. At present, no appropriations are made for branches.

*Primary Schools.*—These are established in school-districts throughout the State, governed by local boards, and supported by taxes and the income of the State school fund, derived from lands appropriated by the United States. A library is required by law to be maintained in each township, and the books are distributed every three months among the several districts, in proportion to the number of scholars. Provision is also made for district libraries. During the year 1847, the amount expended for the support of common schools was \$130,531.80.

The proceeds of this fund are annually distributed among the several districts. The amount thus distributed in May, 1845, was \$22,113; in May, 1846, \$27,925; and in May, 1847, \$31,274; which last sum being divided among 97,658 scholars between the ages of 4 and 18 years, the number reported for the year 1846, gives 32 cents for each scholar. In addition to this, there is raised on the several townships, for the support of schools, a half-mill tax, yielding about \$14,000 more. In 1847, the

|   |        |
|---|--------|
| Number of townships in the 39 counties of the State was . . . . .             | 435    |
| Number of school districts in the State, . . . . .                            | 2,869  |
| Number of scholars between 4 and 18 years old reported, . . . . .             | 97,658 |
| Number of qualified male teachers employed during the year, . . . . .         | 1,209  |
| Number of qualified female teachers employed during the year, . . . . .       | 1,981  |
| Average number of months the schools of each town have been taught, . . . . . | 5      |
| Number of towns that have township libraries, . . . . .                       | 270    |
| Number of volumes in those libraries, . . . . .                               | 36,988 |

## XXVI. INDIANA.

### GOVERNMENT

For the Year 1849.

|                     |  |            | Salary. |
|---------------------|--|------------|---------|
| JAMES WHITCOMB,     | of Terre Haute, Governor (term of office expires in December, 1849), |            | \$1,300 |
| P. C. Dunning,      | of Bloomington, Lieut.-Gov. & Pres. Sen.,                            | \$3 a day. |         |
| John H. Thompson,   | of Wash. Co., Secretary of State,                                    |            | 800     |
| Samuel Hanna,       | of Wayne Co., Treasurer of State,                                    |            | 1,000   |
| Douglass Maguire,   | of Indianapolis, Auditor of Public Accounts,                         |            | 1,000   |
| James Morrison,     | " President of State Bank,   |            | 1,300   |
| James M. Ray,       | " Cashier of State Bank,   |            | 1,100   |
| James Collins, Jr., | State Agent,* \$1,000 and travelling expenses.                       |            |         |
| Samuel Beck,        | of Indianapolis, Quartermaster-General,                              |            | 100     |
| David Reynolds,     | Adjutant-General,  |            | 100     |

\* The State Agent of Indiana has an office in the city of New York.

|                      |   | Salary.  |
|----------------------|---|----------|
| Samuel H. Patterson, | of Jeffersonville, <i>Keeper of the Penitentiary,</i> | Profits. |
| John B. Dillon,      | of Indianapolis, <i>State Librarian,</i>              | \$ 500   |
| William A. Porter,   | of Harrison, <i>Speaker of the House.</i>             |          |
| Matthew Ward,        | <i>Clerk of the House.</i>                            |          |
| John Ferguson,       | of Clark Co., <i>Clerk of the Senate.</i>             |          |

## JUDICIARY.

*Supreme Court.*

|                    |                                       |          |
|--------------------|---------------------------------------|----------|
| Isaac Blackford,   | of Indianapolis, <i>Chief Judge,</i>  | \$ 1,300 |
| Charles Dewey,     | of Charleston, <i>Judge,</i>          | 1,300    |
| Samuel E. Perkins, | of Richmond, "                        | 1,300    |
| Thomas L. Smith,   | of New Albany, "                      | 1,300    |
| Abram A. Hammond,  | of Columbus, <i>Attorney-General.</i> |          |
| Henry P. Coburn,   | of Indianapolis, <i>Clerk,</i>        | Fees.    |

The Judges are appointed by the Governor and Senate for 7 years, and the senior in commission is the Chief Judge. This court holds its sessions at Indianapolis, in May and November. It has appellate jurisdiction only, except in cases of chancery in which the President of the Circuit Court may be interested.

*Circuit Courts.**Circ. President Judges.*

|                         |                    |
|-------------------------|--------------------|
| 1st, Isaac Naylor,      | of Crawfordsville. |
| 2d, William T. Otto,    | of Brownstown.     |
| 3d, Courtland Cushing,  | of Madison.        |
| 4th, James Lockhart,    | of Evansville.     |
| 5th, Wm. J. Peaslee,    | of Indianapolis.   |
| 6th, J. T. Elliott,     | of Newcastle.      |
| 7th, John Law,          | of Vincennes.      |
| 8th, Horace P. Biddle,  | of Logansport.     |
| 9th, E. M. Chamberlain, | of Goshen.         |
| 10th, David McDonald,   | of Bloomington.    |
| 11th, Jeremiah Smith,   | of Winchester.     |
| 12th, James W. Borden,  | of Ft. Wayne.      |
| 13th, George H. Dunn,   | of Lawrenceburg.   |

*Prosecuting Attorneys.*

|                      |                  |
|----------------------|------------------|
| Jos. E. McDonald,    | of Lafayette.    |
| Lyman Lealie,        | of Charleston.   |
| John Dumont,         | of Vevay.        |
| Lemuel Q. De Bruler, |                  |
| Edward Lander,       | of Indianapolis. |
| John B. Stitt,       | of Centreville.  |
| James C. Allen,      | of Rockville.    |
| William Z. Stuart,   | of Logansport.   |
| Joseph H. Mather,    | of Goshen.       |
| Craven P. Hester,    | of Bloomington.  |
| Joseph S. Buckles,   | of Muncie.       |
| Robert L. Douglass,  | of Angola.       |

The president judges are elected by the Legislature for 7 years. The attorneys are chosen by the people for 2 years; and the associate judges and clerks of the courts are elected by the people for 7 years. The salary of the judges is \$ 800 each; the attorneys have \$ 150 each and fees. The judges hold two terms in each county annually. There are two associate judges in each county, who receive \$ 2 a day during the session.

## FINANCES.

According to the report of the Auditor for the fiscal year ending with Oct., 1847, the permanent revenues of the State was, free of charges for collection, . . . \$335,302.67

The amount of ordinary expenses, same year, . . . 90,762.27

To be applied to payment of her public debt, . . . 244,540.30

The same document shows that the lands assessed for taxes of 1847 amounted to 15,865,490 acres, being 214,869 acres more than were assessed for the taxes of 1846. These lands, for her purposes of taxation, were valued at \$ 55,541,473; improvements at \$ 22,473,404; town

lots and buildings at \$11,946,706; corporation stock at \$104,425; personal property, \$27,673,253. Total of taxable property, \$117,739,261. Polls assessed for 1847, 123,447, being 2,696 more than were assessed for 1846. There is a poll tax of 75 cents, and an *ad valorem* tax upon property of 25 cents on the \$100 for State purposes.

*State Debt.* — Prior to 1847 the State owed, principal, \$11,068,000; interest, \$3,326,640; total, \$14,394,640. By the acts of the Legislature of 19th January, 1846, and 27th January, 1847, proposals were made to the holders of bonds that they should complete the Wabash and Erie Canal, and take the State's interest in it for one half of this debt, and the State would issue new certificates for the other half, upon which she would pay interest at the rate of four per cent. per annum until January, 1863, and after that time at five per cent., and issue certificates for one half of the arrears of interest, upon which she would pay interest at the rate of 2½ per cent. per annum after January, 1853. In this 2½ per cent. stock is also included one per cent. per annum upon the principal, which gives the holder of the old bond, when surrendered, five per cent. per annum upon the new five per cent. stock from the dividend day next preceding his surrender of the old bonds.

On the first day of July, 1847, there had been surrendered of the old bonds, and new certificates taken under this proposition by the State, of principal, \$9,158,000; leaving yet outstanding of her old bonds, of principal, \$1,907,000.

The State has issued of the new certificates of stock, paying four per cent. until 1853 and after that time five per cent., \$4,579,000; of 2½ per cent. stock, she has issued \$1,642,778. The State keeps an agency in the city of New York for the surrender of the old stock, issuing the new, and receiving transfers of the new.

The State in 1839–40 authorized the issue of one and a half millions of treasury-notes to pay off her internal improvement liabilities. These notes were made receivable for all State dues, and have been annually returning into the treasury, and will in the years 1848 and 1849 be nearly all withdrawn from circulation.

The State also issued bonds for the bank capital, and treasury-notes to pay the bank a debt which the State owed it. But these treasury-notes were based upon a sinking fund belonging to the State and held by the bank. The bank attends to the bonds issued for its capital, and attends to the redemption of the notes based upon the sinking fund. The means held by the bank are considered ample for those purposes.

*Asylum for the Deaf and Dumb.* — Pupils in attendance, Dec. 1847, 80. Average number, 65. Yearly cost of board (each person), \$49.08. Total expense of the institution to Sept. 1, 1847, \$9,222.12.

The walls of the new *Hospital for the Insane* were erected, and the building advancing, on Oct. 31, 1847.

An *Institute for the Blind* was opened Oct. 1, 1847, and on Nov. 26 there were 25 pupils. \$1,363.82 was last year paid for educating the blind out of the State.

*State Prison.* — Number remaining Nov. 30, 1847, 132. Of these, 13 are less than 20 years old; from 20 to 30, 66; from 30 to 40, 27; from 40 to 50, 19; from 50 to 60, 6; above 60, 1. 2 prisoners are committed for life, 1 for 36 years, and 48 for terms of 2 years or less. 56 of the prisoners cannot write; 26 can neither read nor write. 66 are married, 10 are widowers, and 57 are single. 18 are natives of Indiana, 11 of foreign countries or unknown, and the remainder of other States. 118 are whites, and 14 are Africans. 10 are second-comers, 2 third-comers, and 1 is convicted for the fourth, and 1 for the fifth time. 14 persons are committed for murder, manslaughter, and attempts to commit murder; and 70 for larceny.

*Schools.* — The amount of sales of 16th or school sections, added to the value of those unsold, is estimated at \$1,500,000. This is held by county treasurers for the use of the townships where the lands lie. The surplus revenue fund distributed to the counties amounted, Nov. 1, 1847, to \$580,433.89. The bank-tax fund, in process of distribution to the counties, \$41,200.42. Fund from grants of saline lands, being cash received for lands sold, and value of lands unsold, \$73,515.28. Total school funds, \$2,195,149.59.

## XXVII. ILLINOIS.

## ABSTRACT OF THE CONSTITUTION,

*Adopted in Convention, Aug. 31, 1847, accepted by the People, Mar. 7, 1848.*

EVERY white male citizen, 21 years old, resident in the State for one year, may vote. Representatives, 75 in number and elected for two years, shall be 25 years of age, citizens of the United States, and three years inhabitants of the State. Senators, 25 in number and elected for four years, one half every two years, must be thirty years of age, citizens, and five years inhabitants of the State. These numbers shall be increased after the population of the State shall be 1,000,000; but the number of Representatives shall never exceed 100. The pay of members is \$ 2 per day for the first 42 days, and \$ 1 per day afterwards. In forming senatorial and representative districts, the number of *white* inhabitants alone is regarded. The Legislature at every session may make appropriations for the next two years. The State may borrow \$ 50,000 to meet deficiencies; but not a larger sum (except in case of invasion, &c.), unless the law has been submitted to the people, and unless it contain an irrevocable provision for a tax to pay the interest of the debt. The credit of the State cannot be lent.

The Governor and Lieutenant-Governor, chosen, by a plurality of votes, once in four years, shall be 35 years of age, citizens of the United States for 14 years, and residents of the State for 10 years. The Governor shall reside at the seat of government, and is not eligible for two consecutive terms. A majority of members elected to both Houses may defeat the Governor's veto. No bill shall become a law without the vote of a majority of the members elected to each House.

The State is divided into three grand judicial districts, each of which elects a judge for nine years, who must be 35 years old, a citizen of the United States, and resident in the State for five years; and the three judges compose the Supreme Court, the jurisdiction of which is original in cases relating to the revenue, cases of mandamus and habeas corpus, and in some impeachments, and appellate in all others. After the first election, one of the three judges shall be chosen every three years, either by the State or by divisions, as the Legislature may direct. There are nine judicial circuits, each of which elects a judge for six years, who must be 30 years old, and otherwise qualified as are judges of the Supreme Court. Judges are not eligible to any other office during their term, or for one year after. A County Court, for the transaction of county and probate business, with limited civil and criminal jurisdiction, shall be held by a judge elected for four years.

No State bank can be created, nor revived. Acts creating banks must be submitted to the people, and receive a majority of votes in their favor. Stockholders are individually liable to the amount of their shares. Corporations, not for banking purposes, may be established under general laws. Slavery and lotteries are prohibited; duelling is a disqualification for office. The Legislature is required to pass laws at its first session to pre-

vent the introduction of colored persons, free or slave, into the State. In addition to other taxes, two mills on a dollar shall be levied and applied to extinguishing the principal of the State debt, except the canal and school debt. The terms of all officers under the old constitution are ended by the new. The office of public printer is abolished; printing to be done by contract. Amendments, if passed by a two-thirds vote of all the members elected to each House of the Legislature, shall be published and referred to the next; if passed again by a majority of members, to the people, and if approved by a majority of the number of voters for representatives, shall be adopted. The calling of a convention, if recommended by a two-thirds vote of the Assembly, shall be submitted to the people, and if a majority of votes are in its favor, shall be called by the next Legislature. Amendments can be proposed to but one article of the constitution at one session.

## GOVERNMENT

For the Year 1849.

|   |  |
|---|--|
| <b>AUGUSTUS C. FRENCH</b> , Governor, and <i>ex officio</i> Land Commissioner | Salary.  |
| (term ends 2d Monday in January, 1853),                                       | \$ 1,500   |
| <b>William M'Murtry</b> , Lieutenant-Governor,                                | \$ 3 a day during session,<br>[and 10 cents a mile travel. |
| <b>Horace S. Cooley</b> , Secretary of State,                                 | Fees and 800   |
| <b>Thomas A. Campbell</b> , Auditor,  | (exclusive of clerk hire,) 1,000                           |
| <b>John Moore</b> , Treasurer,  | 800  |

## JUDICIARY.

## Supreme Court.

|               |                  |                  |           |          |
|---------------|------------------|------------------|-----------|----------|
| 1st Division, | Lyman Trumbull,  | of Belleville,   | Judge,    | \$ 1,200 |
| "             | E. F. Ridgway,   | of Mt. Vernon,   | Clerk,    | Fees.    |
| 2d Division,  | Samuel H. Treat, | of Springfield,  | Judge,    | 1,200    |
| "             | Wm. B. Marren,   | of Jacksonville, | Clerk,    | Fees.    |
| 3d Division,  | John Dean Caton, | of Ottawa,       | Judge,    | 1,200    |
| "             | Lorenzo Leland,  | of Ottawa,       | Clerk,    | Fees.    |
|               | Charles Gilman,  | of Quincy,       | Reporter. |          |

This court holds its sessions once in each division of the State each year. The terms are, 1st division, at Mt. Vernon, Jefferson Co., on the 1st Monday in December; 2d division, at Springfield, on the 3d Monday in December; 3d division, at Ottawa, La Salle Co., on the 1st Monday of February.

## Circuit Courts.

|              |                       |                 |        |          |
|--------------|-----------------------|-----------------|--------|----------|
| 1st Circuit, | David M. Woodson,     | of Carrollton,  | Judge, | \$ 1,000 |
| 2d "         | Wm. H. Underwood,     | of Belleville,  | "      | 1,000    |
| 3d "         | Wm. A. Denning,       | of Benton,      | "      | 1,000    |
| 4th "        | J. Harlan,            | of Marshall,    | "      | 1,000    |
| 5th "        | Wm. R. Marshall,      | of Rushville,   | "      | 1,000    |
| 6th "        | R. B. Sheldon,        | of Galena,      | "      | 1,000    |
| 7th "        | Hugh T. Dickey,       | of Chicago,     | "      | 1,000    |
| 8th "        | David Davis,          | of Bloomington, | "      | 1,000    |
| 9th "        | Theophilus W. Dickey, | of Ottawa,      | "      | 1,000    |

It will be seen that, under the new constitution, new terms of office com-

mence ; for judicial offices, on the 1st Monday in December, 1848 ; and for executive, on the 2d Monday of January, 1849.

The two following propositions were submitted to the people of the State, at the time of their vote upon the acceptance of the constitution, and adopted by decisive majorities.

1. The General Assembly shall, at its first session under the amended constitution, pass such laws as will effectually prohibit free persons of color from immigrating to and settling in this State ; and to effectually prevent the owners of slaves from bringing them into this State, for the purpose of setting them free.

2. There shall be annually assessed and collected, in the same manner as other State revenue may be assessed and collected, a tax of two mills upon each dollar's worth of taxable property, in addition to all other taxes, to be applied as follows, to wit :—The fund so created shall be kept separate, and shall annually, on the first day of January, be apportioned and paid over *pro rata* upon all such State indebtedness, other than the canal and school indebtedness, as may, for that purpose, be presented by the holders of the same, to be entered as credits upon, and, to that extent, in extinguishment of, the principal of said indebtedness.

The estimated effect of this two-mill tax is thus stated in the Address to the People of Illinois, adopted by the convention for forming the new constitution :—

"The principal part of the debt is \$6,245,380 ; a two-mill tax in 1848 will produce about \$200,000. This tax will increase annually at the rate of about 7 per centum throughout the 25 years, reasoning from experience connected with Western advancement. Taking these two propositions as the basis of our calculation, in 19 years this tax will yield \$6,194,000, which leaves unpaid of the principal only \$51,380. There is, however, already accrued \$2,248,372 of interest, which will be increased to about \$3,000,000 before this provision can be carried into operation. There will accrue during the 19 years, \$3,559,916, making the aggregate of interest due at that time \$6,559,916, which, however, is subject to constant reduction from three fifths of the mill-and-a-half fund now raised, which in the 19 years amounts to \$2,784,300, leaving interest then really due amounting to \$3,775,316. To this add the unpaid portion of the principal, \$51,380, and we have \$3,826,996, which, without any great increase of interest, is yet to be discharged. To do this we now have the aggregate fund produced from the three fifths of the mill-and-a-half tax, and from the two-mill tax, which in the 6 following years will produce \$4,368,700, which will liquidate the whole amount, being an excess of nearly \$500,000. All this, too, without materially increasing our burdens, when viewed in connection with the proposed reduction of State expenses."

## XXVIII. MISSOURI.

### GOVERNMENT

For the Year 1849.

|                           |                    |                          | Term ends. | Salary. |
|---------------------------|--------------------|--------------------------|------------|---------|
| AUSTIN A. KING,           | of Richmond,       | Governor,                | Dec. 1852, | \$2,000 |
| Thomas L. Price,          | of Jefferson City, | Lieut.-Governor,         | "          |         |
| Falkland H. Martin,       | of Jefferson,      | Secretary of State and   |            |         |
|                           |                    | Sup't of Common Schools, | Nov. 1849, | 1,300   |
| George W. Miller,         | of Jefferson City, | Aud. of Accounts,        | 1849,      | 1,600   |
| Peter G. Glover,          | "                  | Treasurer,               | 1849,      | 1,350   |
| Benjamin F. Stringfellow, | "                  | Attorney-General,        | 1849,      | 750     |
| George W. Huston,         | "                  | Register of Lands,       | 1849,      | 1,250   |
| Gustavus A. Parsons,      | "                  | Adjutant-General,        |            | 100     |
| George W. Miller,         | "                  | Quartermaster-General,   |            | 100     |
| Frederic Conway,          | of St. Louis,      | Surveyor-General,        |            | 1,500   |
| Robert Campbell,          | "                  | President of State Bank. |            |         |
| Henry Shurlds,            | "                  | Cashier                  | " " "      | 2,000   |

The Lieutenant-Governor is, *ex officio*, President of the Senate, and receives \$4.50 a day while presiding over the Senate. The pay of the Speaker of the House of Representatives is the same. Senators are chosen every fourth, and Representatives every second year. Their pay is \$3 a day. The Legislature meets at the City of Jefferson biennially, on the 4th Monday in November.

## JUDICIARY.

*Supreme Court.*

|                      |   | Salary. |
|----------------------|---|---------|
| William B. Napton,   | of Jefferson City, <i>Presiding Judge</i> , | \$1,100 |
| Priestly H. M'Bride, | " <i>Associate Judge</i> ,                  | 1,100   |
| William Scott,       | " "   | 1,100   |

The Supreme Court is held at the City of Jefferson. This court exercises appellate jurisdiction from the Circuit Court, and has original jurisdiction in cases of habeas corpus, mandamus, &c.

*Circuit Courts.*

| Judges.                       | Salary. | Attorneys.          | Salary.       |
|-------------------------------|---------|---------------------|---------------|
| James W. Morrow, 1st Circuit, | \$1,000 | B. F. Stringfellow, | \$750 & fees. |
| W. A. Hall, 2d "              | 1,000   | James Gordon,       | 250 "         |
| Ezra Hunt, 3d "               | 1,000   | Alfred W. Lamb,     | 250 "         |
| Addison Reese, 4th "          | 1,000   | James C. Abernathy, | 250 "         |
| John F. Ryland, 5th "         | 1,000   | Robert Smart,       | 250 "         |
| George W. Dunn, 6th "         | 1,000   |                     | 250 "         |
| F. P. Wright, 7th "           | 1,000   | Thomas Ruffin,      | 250 "         |
| Alex. Hamilton, 8th "         | 1,000   | D. N. Hall,         | 250 "         |
| John H. Stone, 9th "          | 1,000   | John S. Brickey,    | 250 "         |
| John D. Cook, 10th "          | 1,000   | Albert Jackson,     | 250 "         |
| James A. Clark, 11th "        | 1,000   | W. Halliburton,     | 250 "         |
| Sol. H. Leonard, 12th "       | 1,000   | Isaac N. Jones,     | 250 "         |
| Chas. S. Yancey, 13th "       | 1,000   | John T. Coffee,     | 250 "         |
| Daniel M. Leet, 14th "        | 1,000   | William Cunningham, | 250 "         |

A Circuit Court is held twice a year in each county. Its jurisdiction extends to all matters of tort and contract over \$90 where the demand is liquidated, and over \$50 where the agreement is parol. It has exclusive criminal jurisdiction, and a supervision over the County Courts and justices of the peace, subject to the correction of the Supreme Court. The judges of the Supreme and Circuit Courts are nominated by the Governor and confirmed by the Senate. They hold office during good behaviour, though not beyond 65 years of age.

*Courts of St. Louis.*

|   | Salary.         |
|---|-----------------|
| Montgomery Blair, <i>Judge of Common Pleas</i> ,    | \$200 and fees. |
| James B. Townsend, <i>Judge of Criminal Court</i> , | 1,000           |

*Court of Common Pleas for the City of Hannibal.*

|                                       |                 |
|---------------------------------------|-----------------|
| Thomas Van Swearingen, <i>Judge</i> , | \$200 and fees. |
|---------------------------------------|-----------------|

These are local tribunals, exercising jurisdiction only in the county. An

appeal lies to the Supreme Court. The judge is appointed by concurrent vote of the two Houses of the General Assembly, and holds office during good behaviour.

*County Courts.* — The jurisdiction of these courts is limited to matters of probate and local county affairs, as roads, &c. A County Court sits in each county, and is composed of three justices, who are elected by the people, and hold their offices for four years. An appeal lies to the Circuit Court.

Amount of State debt, \$684,997.40.

Interest on debt, \$73,100.

## XXIX. IOWA.

### *Government for the Year 1849.*

|                      |                   |                                     | <i>Salary.</i> |
|----------------------|-------------------|-------------------------------------|----------------|
| ANSEL BRIGGS,        | of Jackson Co.,   | <i>Governor</i> (term expires       |                |
| December, 1850),     |                   |                                     | \$1,000        |
| Elisha Cutler,       | of Van Buren Co., | <i>Secretary of State,</i>          | 500            |
| Joseph T. Fales,     | of Linn Co.,      | <i>Auditor of Public Accounts,</i>  | 600            |
| Morgan Reno,         | of Johnson Co.,   | <i>Treasurer,</i>                   | 400            |
| Thomas H. Benton,    | of Dubuque Co.,   | <i>Sup't of Public Instruction,</i> | 1,200          |
| Lemuel B. Patterson, | of Johnson Co.,   | <i>Librarian,</i>                   | 150            |
| Thomas Hughes,       | "                 | <i>President of the Senate,</i>     | \$4 a day.     |
| Jesse B. Browne,     | of Lee Co.,       | <i>Speaker of the H. of Rep.,</i>   | "              |
| John B. Russell,     | "                 | <i>Secretary of the Senate,</i>     | \$2 a day.     |
| J. S. Richman,       | of Muscatine Co., | <i>Ch. Clerk of H. of Rep.</i>      | "              |

### *Board of Public Works.*

H. W. Semple, *Pres.* Charles Corkery, *Treas.* Paul Brattan, *Sec.*

The Legislature meets biennially, on the first Monday in December. The pay of the members is \$2 a day for the first fifty days, and \$1 a day for the rest of the session, with \$2 for every twenty miles' travel.

### JUDICIARY.

#### *Supreme Court.*

|                 |                   |                           |              |
|-----------------|-------------------|---------------------------|--------------|
| S. C. Hastings, | of Muscatine Co., | <i>Chief Justice,</i>     | \$1,000      |
| George Greene,  | of Dubuque Co.,   | <i>Associate Justice,</i> | 1,000        |
| J. F. Kinney,   | of Lee Co.,       | "                         | 1,000        |
| G. S. Hampton,  | of Johnson Co.,   | <i>Clerk,</i>             | <i>Fees.</i> |
| Eastin Morris,  | "                 | <i>Reporter.</i>          |              |

The judges of the Supreme Court are elected by joint vote of the General Assembly for six years, and until their successors are elected and qualified.

The Supreme Court now holds four sessions, the State being divided into four districts.

|                |                    |                               |   |
|----------------|--------------------|-------------------------------|---|
| J. W. Woods,   | of Des Moines Co., | <i>Clerk of 1st District.</i> |   |
| —— Anderson,   | of Dubuque Co.,    | " 2d                          | " |
| —— Ross,       | of Wasselle Co.,   | " 3d                          | " |
| G. S. Hampton, | of Johnson Co.,    | " 4th                         | " |



*District Courts.*

|                                  |                              |  | Salary.  |
|----------------------------------|------------------------------|--|----------|
| George H. Williams, of Lee Co.,  | <i>Judge of 1st Circuit,</i> |  | \$ 1,000 |
| James Grant, of Scott Co.,       | " 2d "                       |  | 1,000    |
| J. P. Carletorf, of Johnson Co., | " 3d "                       |  | 1,000    |
| Cyrus Olney, of Jefferson Co.,   | " 4th "                      |  | 1,000    |

The judges of the District Court are elected, by the voters in their district, for five years, and until their successors are elected and qualified.

## FINANCES.

The value of the productive property held by the State is \$11,277,139. The absolute State debt is \$55,000, on which the interest is \$550 per annum. The ordinary annual expenditures, exclusive of debts and schools, is \$14,700. The revenue is derived from taxes upon real and personal property. The expenditures are the salaries of State officers and court expenses.

*Common Schools.* — It is provided by the constitution, that a Superintendent of Public Instruction shall be chosen by the people for three years, and that all lands granted by Congress to this State, all escheated estates, and such per cent. as may be granted by Congress on the sale of the public lands in Iowa, shall constitute a perpetual fund, the interest of which, and the rents of the unsold lands, shall be applied to the support of common schools. The Assembly shall provide for a school in each school-district, for at least three months in each year; and all moneys received for exemption from military duty, and for fines imposed by the courts, shall be appropriated to support such schools, or the establishment of school libraries. The money arising from the lease or sale of public lands granted for the support of a university shall remain a perpetual fund to maintain such an institution.

## XXX. WISCONSIN.

*Constitution of Wisconsin, adopted in Convention, Feb. 1, 1848.*

ALL males 21 years old, residents of the State for one year next before the election, who are white citizens of the United States, or white foreigners who have declared their intention to become citizens according to the United States naturalization laws, or persons of Indian blood once declared by the laws of the United States to be citizens, subsequent laws to the contrary notwithstanding, or "civilized persons of Indian descent," not members of a tribe, — may vote; and the right of suffrage may be extended by a law approved by a majority of votes at a general election. No person may vote who is *non compos mentis*, or convicted of treason or felony, unless restored; and all persons convicted of bribery, larceny, or other infamous crime, may by law be deprived of the right to vote, and persons convicted of betting on an election may be deprived of their right for that election. Members of the Assembly (in number not fewer than 54, nor more than 100) shall be qualified electors in their districts, resident one year in the State, and shall be chosen annually on the Tuesday succeeding the first Monday of November. Senators (in number not more than one third nor fewer than one fourth of the Assembly) shall have the same qualifications, and shall be chosen for two years, one half each year. A

census shall be taken in the year 1855, and every ten years thereafter, and a new apportionment and new districts shall be made the next year after this census, and after those of the United States. A vote of two thirds of either House may expel a member, but not twice for the same cause. No member shall be appointed to a civil office created or increased in pay during his term. No lottery or divorce can be granted by the Legislature. Printing and stationery contracts shall be taken by the lowest bidder. The compensation of no public officer shall be changed during his term. Laws shall be passed providing a way of suing the State. The Governor shall be a qualified elector and citizen of the United States, and shall be chosen for two years by a plurality of votes, and if there be no choice, the Legislature shall, by joint ballot, choose one of the persons having the highest equal number of votes. He may grant commutations, reprieves, and pardons for all offences except treason and cases of impeachment, and in convictions for treason may reprieve until the next session; but he must report every case of pardon, &c., with his reasons, annually to the Legislature, which may also regulate the manner of applying for pardons. In default of the Governor, his duties are discharged by the Lieutenant-Governor, who is chosen by a plurality of votes, for the same term and with the same qualifications, and is President of the Senate, with a casting vote. If the Lieutenant-Governor do not fill the vacancy of the Governor, the Secretary of State fills the place. The Governor's *veto* may be defeated by a vote of two thirds of the members present in each House. Sheriffs, coroners, registers of deeds, and district-attorneys, are chosen by the people for two years, but may be removed, after a hearing, by the Governor. Judges of the Circuit Court (after election to be resident in their circuit) shall be chosen at a separate election, by the people, by circuits, for six years, and shall be 25 years old, citizens of the United States, and qualified to vote within their circuits; and this court shall have appellate jurisdiction from justices of the peace and inferior courts, and original in all cases civil and criminal not excepted by the constitution or by law. All votes for a judge, for an office not judicial, are void. The same judges shall sit as a Supreme Court, to try cases upon appeal, without a jury. The Legislature may erect a separate Supreme Court, to consist of three judges chosen by the people for the same term as the circuit judges; and when such court is erected, the number of circuit judges may be reduced. Judges of the two higher courts may be removed, after notice and a hearing, upon address of two thirds of all the members of each House. Judges of probate and justices of the peace are elected by the people for two years. "Tribunals of conciliation" may be established, with the powers of arbitrators. A tax shall be imposed on civil suits in the municipal, inferior, and circuit courts, which shall be applied to pay the judges. Testimony in equity cases shall be taken as in cases at law; and the office of master in chancery is prohibited. In every organized county, the Legislature may appoint "one or more persons," with powers not exceeding those of a circuit judge at chambers. The credit of the State shall never be lent; nor shall

any debt be contracted nor money paid for internal improvements, unless the State hold trust property dedicated to such uses. Except in case of war, invasion, or insurrection, no debt exceeding \$ 100,000 shall be contracted, and such debt (of \$ 100,000 or less) shall be authorized, for purposes stated, by a majority of the members of each House, and the same law shall make an appropriation for payment of interest and of principal within five years, which appropriation cannot be revoked or diminished till the debt is paid. A State Superintendent of Education shall be chosen by the people; and liberal provision is made for a school fund, to be devoted to schools, academies, and normal schools; but the amount paid from the fund shall not exceed twice the amount raised by tax. A university, without "sectarian instruction," shall be established. Corporations (except banks) may be created under general laws, but not by special acts, except in specified cases. No municipal corporation shall take private property without the owner's consent, unless a jury pronounce it necessary. The Legislature shall prevent towns and cities from contracting debts. No general or special law to create a bank or banks shall be passed, till a majority of the votes at a general election shall have been in favor of a bank, and until such a majority have afterwards approved the act as passed. Any person implicated in a duel loses the right of suffrage and of holding office. No defaulter to the United States, to the State, or to any other State, or to any county or town, may hold office. Slavery is prohibited. In criminal prosecutions for libel, the jury are judges of the law and fact, and, if they find the publication to be from good motives and for justifiable ends, shall acquit the party. All lands are allodial, and leases of agricultural land, with rent or service reserved for more than 15 years, are void. Resident aliens have all the property rights of citizens. Imprisonment for debt on contract is prohibited. No religious opinions shall disqualify a witness. Amendments, agreed to by a majority of members of both Houses, shall be published three months before the next election, and referred to the Legislature then chosen; and if again approved by such majority, shall be submitted to the people; and if approved by a majority of votes, shall be adopted. A majority of each House may recommend a convention to change the constitution, and a majority of votes at a general election, after this recommendation, may authorize the calling of one.

#### GOVERNMENT

##### *For the Year 1849.*

|                               |                            | Term expires.  | Salary.  |
|-------------------------------|----------------------------|----------------|----------|
| NELSON DEWEY, of Lancaster,   | <i>Governor,</i>           | Dec. 31, 1849, | \$ 1,250 |
| Thomas McHugh, of Madison,    | <i>Secretary of State,</i> | "              | 1,000    |
| Jairus C. Fairchild, "        | <i>Treasurer,</i>          | "              | 800      |
| James S. Brown, of Milwaukee, | <i>Attorney-General,</i>   | "              | 800      |

For the number, pay, and term of service of the members of the Legislature, see abstract of the constitution.

*Senatorial Districts.*

| No. of District. | Counties or Towns.                                   | No. of District.  | Counties or Towns.  |  |
|------------------|--|---|---|--|
| 1                | Brown, Calumet, Manitowoc, and Sheboygan.            | 17  | is, Bristol, Brighton, Salem, and Wheatland, in the county of Racine. |  |
| 2                | Columbia, Marquette, Portage, and Sauk.              |   | 18  | The towns of Racine, Caledonia, Mount Pleasant, Raymond, Norway, Rochester, Yorkville, and Burlington. |
| 3                | Crawford, Chippewa, St. Croix, and La Pointe.        |   |   | 19   |
| 4                | Fond du Lac and Winnebago.                           | The first and second wards of the city of Milwaukee, and the towns of Milwaukee, Wauwantosa, and Granville, in the county of Milwaukee. |   |  |
| 5                | Iowa and Richland.                                   |   |   |  |
| 6                | Grant.   |   |   |  |
| 7                | Lafayette.   |   |   |  |
| 8                | Green.   |   |   |  |
| 9                | Dane.  |   |   |  |
| 10               | Dodge.   |   |   |  |
| 11               | Washington.  |   |   |  |
| 12               | Jefferson.   |   |   |  |
| 13               | Waukesha.  |   |   |  |
| 14               | Walworth.  |   |   |  |
| 15               | Rock.  |   |   |  |
| 16               | The towns of Southport, Pike, Pleasant Prairie, Par- |   |   |  |

*Congressional Districts.*

1st. Counties of Milwaukee, Waukesha, Jefferson, Racine, Walworth, Rock, and Green.

2d. Counties of Washington, Sheboygan, Manitowoc, Calumet, Brown, Winnebago, Fond du Lac, Marquette, Sauk, Portage, Columbia, Dodge, Dane, Iowa, Lafayette, Grant, Richland, Crawford, Chippewa, St. Croix, and La Pointe.

## JUDICIARY.

*Circuit Courts.*

For the term of five years, and thereafter until the Legislature shall otherwise provide, the judges of the Circuit will act as judges of the Supreme Court. Four constitute a quorum, and a majority of the judges present is necessary to a decision. The following are the judicial circuits of the State.

First Circuit. The counties of Racine, Walworth, Rock, and Green.

Second " Milwaukee, Waukesha, Jefferson, and Dane.

Third " Washington, Dodge, Columbia, Marquette, Sauk, and Portage.

Fourth " Brown, Manitowoc, Sheboygan, Fond du Lac, Winnebago, and Calumet.

Fifth " Iowa, Lafayette, Grant, Crawford, and St. Croix. Richland Co. is attached to Iowa, Chippewa Co. to Crawford, and La Pointe Co. to St. Croix, for judicial purposes, until otherwise ordered.

*Internal Improvements.*—No internal improvements of any magnitude have yet been completed. But the Legislature is now taking measures for their completion. It is in contemplation to improve the navigation of the Fox and Wisconsin Rivers, and to connect the same by canal. To accomplish this, a grant of about half a million acres of land has been donated by Congress. When this is done, it will open steamboat navigation between Lake Michigan, by the way of Green Bay, and the Mississippi River, nearly through the centre of the State.

*Common Schools.*—The number of school sections in the State is 2,200, and the estimated number of children in the State between 4 and 20 years of age is 46,000. The school fund is thus stated. The sixteenth (or school) sections of land contain 1,408,000 acres. To these are to be added the lands ceded by Congress for internal improvements, but by the assent of Congress diverted to the school fund, 500,000 acres,—making in all 1,908,000 acres. Of this about one seventh, 272,571 acres, is in the surveyed portions of the State, and near settlements, and is safely estimated to average \$3 per acre, which gives a fund of \$817,713. To this fund there will be added the proceeds of all lands that may hereafter be granted to the State by Congress for educational purposes, all moneys and the clear proceeds of all property that may accrue to the State by forfeiture or escheat, all moneys that may be paid as an equivalent for exemption from military duty, the clear proceeds of all fines collected in the several counties for any breach of the penal laws, five per cent. of the net proceeds of all sales of United States lands in our State, and all moneys arising from any grant to the State where the purposes of such grant are not specified.

### CENSUS OF WISCONSIN,

*Taken December 1st, 1847.*

|                             |        |                              |         |
|-----------------------------|--------|------------------------------|---------|
| Milwaukee county, . . . . . | 22,791 | Washington county, . . . . . | 15,447  |
| Racine " . . . . .          | 19,339 | Dodge " . . . . .            | 14,906  |
| Walworth " . . . . .        | 15,036 | Jefferson " . . . . .        | 11,464  |
| Waukesha " . . . . .        | 15,836 | Sheboygan " . . . . .        | 5,580   |
| Rock " . . . . .            | 14,729 | Manitowoc " . . . . .        | 1,285   |
| Green " . . . . .           | 6,487  | Calumet " . . . . .          | 1,060   |
| Lafayette " . . . . .       | 9,335  | Marquette " . . . . .        | 2,261   |
| Grant " . . . . .           | 11,720 | Fond du Lac " . . . . .      | 7,459   |
| Iowa " . . . . .            | 17,963 | Brown " . . . . .            | 2,914   |
| Dane " . . . . .            | 10,935 | Winnebago " . . . . .        | 2,747   |
| Sauk " . . . . .            | 2,178  | Columbia " . . . . .         | 3,791   |
| Crawford " . . . . .        | 1,409  | Richland " (about) . . . . . | 250     |
| Portage " . . . . .         | 1,504  | Chippewa " (about) . . . . . | 400     |
| St. Croix " . . . . .       | 1,674  | Total, . . . . .             | 220,867 |
| La Pointe " . . . . .       | 367    |                              |         |

### XXXI. OREGON TERRITORY.

*An Act to Establish the Territorial Government of Oregon; approved August 14, 1848.*

THE territory lying west of the summit of the Rocky Mountains, and north of latitude 42°, is hereby organized, the rights of the United States over the Indians and their lands being reserved, the titles to missionary lands (not exceeding six hundred and forty acres to any mission) confirmed, and the power of Congress to divide or annex the Territory, or any part of it, stated.

Every white male inhabitant of the Territory at the time of the passage of this act, twenty-one years old, who is a citizen of the United States, or who has on oath declared his intention to become such and who shall take the requisite oaths, may vote, or be chosen to office, at the first election; but the Legislature may prescribe further limitations. The Governor, justices, Secretary, Attorney, and Marshal are appointed by the President and Senate. The Governor holds office for four years and until his successor is appointed and qualified, is removable by the President, is Superintendent of Indian Affairs, may grant pardons and respites for offences against Territorial laws, and reprieves, until the President's will be known, for those against the laws of the United States. The Secretary holds office for five years, is removable by the President, and in default of the Governor fills his place. The Assembly consists of a council and house of representatives. The councillors, nine in number, have the qualifications of voters, are residents of their district, and are chosen, by a plurality of votes, for three years, one third every year. The apportionment, and the entire control of the first election, are with the Governor, but shall afterward be fixed by law. No session shall continue more than sixty days, except the first, which may last one hundred days. Representatives, in number not fewer than eighteen, nor more than thirty, with the same qualifications as councillors, shall be chosen annually, by a plurality of votes. All laws are submitted to Congress. No bank, or any thing like a bank, shall be chartered, or permitted to exist in the Territory as a branch of an institution chartered elsewhere, or otherwise, and the Territory shall issue no scrip; neither shall it pledge its faith, or in any way borrow money. No member of any Legislature, except the first, shall be appointed to an office created or increased in pay during his term, or for one year afterward. Salmon must not be prevented from passing up and down the streams. Three districts shall be created, in each of which a judge, appointed for four years and until successors be appointed and qualified, shall hold a District Court, with law and equity powers as may be regulated by statute;—and the same three judges shall form the Supreme Court, to which cases not to be tried by a jury may be removed by appeal from the District Courts. Writs of error and appeals from the decisions of the Supreme Court lie to the Supreme Court of the United States, as from the United States Circuit Courts, where the matter in dispute exceeds \$2,000, or where the Constitution or a treaty of the United States, or acts of Congress, are in question. In cases arising out of the Constitution of the United States, or of Territorial laws, the District Courts have the same jurisdiction as the United States District and Circuit Courts. The Secretary of the Treasury of the United States shall regulate all disbursements of money intrusted to the Governor or Secretary. The inhabitants shall enjoy the benefit of the Ordinance of 1787. Existing laws, compatible with the Constitution of the United States and with this act, unless repealed by the Legislature, shall remain in force, except those affecting the title to land, which are void. A Delegate to Congress, who shall be a citizen of the United States, shall be cho-

sen by a plurality of votes ; and he shall not receive more than \$2,500 mileage. \$5,000 is appropriated for the purchase of a Territorial library. Sections 16 and 36 in every township are set apart for the benefit of schools. All the ports, &c., of the main-land form the collection district of Oregon, and Astoria is made a port of entry. A port of delivery may be established on Puget's Sound, and one other elsewhere. \$15,000 is appropriated for lighthouses and buoys.

## GOVERNMENT

For the Year 1849.

|                     |  | Term expires. | Salary.  |
|---------------------|--|---------------|----------|
| Joseph Lane,        | <i>Governor and Sup't of Indian Affairs,</i> | 1852,         | \$ 3,000 |
| Knitzing Pritchett, | <i>Secretary,</i>                            | 1853,         | 1,500    |

## JUDICIARY.

|                      |                           |       |
|----------------------|---------------------------|-------|
| William P. Bryant,   | <i>Chief Justice,</i>     | 2,000 |
| Peter H. Burnett,    | <i>Associate Justice,</i> | 2,000 |
| Isaac W. R. Bromley, | <i>Attorney.</i>          |       |
| Joseph L. Meek,      | <i>Marshal.</i>           |       |
| John Adair,          | <i>Collector.</i>         |       |

## XXXII. DISTRICT OF COLUMBIA.

THE District of Columbia is under the immediate government of Congress. The city of Washington became the seat of the government of the United States in 1800 ; and it is the residence of the President, and the other chief executive officers of the national government. By an act of Congress, in 1846, which was subsequently accepted by the people of Alexandria, the city and county of Alexandria were retroceded to the State of Virginia, and the District is now confined to the Maryland side of the Potomac.

## JUDICIARY.

*Circuit Court of the District.*

|                  |                |                         | Salary.      |
|------------------|----------------|-------------------------|--------------|
| William Cranch,  | of Washington, | <i>Chief Judge,</i>     | \$ 2,700     |
| James S. Morsel, | of Georgetown, | <i>Associate Judge,</i> | 2,500        |
| James Dunlop,    | "              | "                       | 2,500        |
| Philip B. Key,   | of Washington, | <i>Attorney,</i>        | Fees and 200 |
| Robert Wallace,  | "              | <i>Marshal,</i>         | Fees.        |
| William Brent,   | "              | <i>Clerk,</i>           | Fees.        |

*Criminal Court for the District.*

|                     |               |         |
|---------------------|---------------|---------|
| Thomas H. Crawford, | <i>Judge,</i> | \$ 2,00 |
| William Brent,      | <i>Clerk</i>  | Fees.   |

*Orphans' Court.*

|                      |                    |                  |          |
|----------------------|--------------------|------------------|----------|
| Nathaniel P. Causin, | of Washington Co., | <i>Judge,</i>    | \$ 1,000 |
| Edward N. Roach,     | "                  | <i>Register,</i> | Fees.    |

## AMERICAN STATES.

*Republics of North America.*

| Name.            | Population. | Capitals.     | Presidents.            |
|------------------|-------------|---------------|------------------------|
| United States,   | 17,069,453  | Washington,   | James K. Polk.         |
| Mexico,          | 7,015,509   | Mexico,       | Gen. J. J. de Herrera. |
| Central America, | 2,000,000   | San Salvador. |                        |
| Yucatan,         | 580,948     | Merida,       | Miguel Barbachano.     |
| Hayti,           | 933,000     | Cape Haytien, | Gen. Faustin Solouque. |

*Republics of South America.*

| Name.               | Population. | Capitals.     | Presidents.            |
|---------------------|-------------|---------------|------------------------|
| Argentine Republic, | 1,000,000   | Buenos Ayres, | Don Juan M. de Rosas.  |
| Peru,               | 1,700,000   | Lima,         | General Gamarra.       |
| New Granada,        | 1,931,684   | Bogota,       | Don Thos. C. Mosquera. |
| Bolivia,            | 1,030,000   | Chuquisaca,   | General Ballivian.     |
| Chili,              | 1,200,000   | Santiago,     | General Bulnes.        |
| Venezuela,          | 900,000     | Caraccas,     | General Paez.          |
| Ecuador,            | 600,000     | Quito.        |                        |
| Paraguay,           | 300,000     | Assumption.   |                        |
| Uruguay,            | 150,000     | Monte Video,  | Fructuoso Rivera.      |

*Empire.*

| Name.   | Population. | Capital.     | Emperor.  |
|---------|-------------|--------------|-----------|
| Brazil, | 5,130,418   | Rio Janeiro, | Pedro II. |

The present population of most of the above states has not been very recently ascertained with any exactness. The most complete and accurate census of Mexico was taken in 1842. This census returned the whole population as above. Of this number, there were 4,000,000 Indians; 1,000,000 whites; 6,000 negroes; and 2,009,509 of all other castes, as Zambos, Mestizos, &c. Of the Indians and negroes, only 80,120 can read, and of the whites and all others, 607,628.

## BRITISH AMERICAN PROVINCES.

LORD ELGIN, *Governor-General, Vice-Admiral, and Captain-General of all the British Provinces of North America.*

| Provinces.                   | Area in Sq. Miles. | Population. | Lieutenant-Governors. |
|------------------------------|--------------------|-------------|-----------------------|
| East Canada,                 | 194,815            | 693,649     |                       |
| West Canada,                 | 147,000            | 506,055     |                       |
| New Brunswick,               | 27,700             | 130,000     | Sir W. Colebrooke.    |
| Nova Scotia, with C. Breton, | 17,500             | 199,870     | Sir John Harvey.      |
| Prince Edward's Island,      | 2,134              | 34,666      | Capt. H. V. Huntley.  |
| Newfoundland,                | 35,913             | 81,517      |                       |
| Honduras,                    | 62,740             | 3,958       | Col. Fancourt.        |



# EUROPE.

## REIGNING SOVEREIGNS OF EUROPE.

| Name.          | Title.        | State.                | Date of Birth. | Date of Accession. | Age at Accession. | Religion.    |
|----------------|---------------|-----------------------|----------------|--------------------|-------------------|--------------|
| Oscar I.       | King          | Sweden and Norway     | July 4, 1799   | Mar. 8, 1844       | 45                | Lutheran     |
| Nicholas I.    | Emperor       | Russia                | July 6, 1796   | Dec. 1, 1825       | 29                | Greek Church |
| Frederick VII. | King          | Denmark               | Oct. 6, 1808   | Jan. 20, 1848      | 39                | Lutheran     |
| Victoria       | Queen         | Great Britain         | May 24, 1819   | June 20, 1837      | 18                | Prot. Episc. |
| William II.    | King          | Holland or Netherl'ds | Dec. 6, 1792   | Oct. 7, 1840       | 48                | Reformed     |
| Leopold        | "             | Belgium               | Dec. 16, 1790  | July 21, 1831      | 40                | Lutheran*    |
| Fred. Wm. IV.  | "             | Prussia               | Oct. 15, 1795  | June 7, 1840       | 45                | Evangelical  |
| Fred. Augustus | "             | Saxony                | May 18, 1797   | June 6, 1836       | 39                | Catholic*    |
| Ern. Augustus  | "             | Hanover               | June 6, 1771   | June 20, 1837      | 66                | Evangelical  |
| Fred. Francis  | Grand Duke    | Mecklenburg-Schwer.   | Feb. 28, 1823  | Mar. 7, 1842       | 19                | Lutheran     |
| George         | "             | Mecklenburg-Strelitz  | Aug. 12, 1779  | Nov. 6, 1816       | 37                | "            |
| Augustus       | "             | Oldenburg             | July 13, 1783  | May 21, 1829       | 46                | "            |
| William        | Duke          | Brunswick             | Apr. 25, 1806  | Apr. 25, 1831      | 25                | "            |
| Adolphus       | "             | Nassau                | July 24, 1817  | Aug. 20, 1839      | 22                | Evangelical  |
| Ch. Frederick  | Grand Duke    | Saxe-Weimar-Eisen     | Feb. 2, 1783   | June 14, 1828      | 45                | Lutheran     |
| Ernest II.     | Duke          | Saxe-Coburg-Gotha     | June 21, 1818  | Jan. 29, 1844      | 26                | "            |
| Bernard        | "             | Saxe-Meiningen-Hild.  | Dec. 17, 1800  | Dec. 24, 1803      | 3                 | "            |
| Joseph         | "             | Saxe-Altenburg        | Aug. 27, 1789  | Sep. 29, 1834      | 45                | "            |
| Leopold        | "             | Anhalt-Dessau         | Oct. 1, 1794   | Aug. 9, 1817       | 22                | Evangelical  |
| Alexander      | "             | Anhalt-Bernburg       | Mar. 2, 1805   | Mar. 24, 1834      | 29                | "            |
| Henry          | "             | Anhalt-Cöthen         | July 30, 1778  | Aug. 23, 1830      | 52                | Reformed     |
| Fred. Gunther  | Prince        | Schwartz'g-Rudolst.   | Nov. 6, 1793   | Apr. 28, 1807      | 13                | Lutheran     |
| Gunther        | "             | Schwartz'g-Sonder'n   | Sep. 24, 1801  | Sep. 3, 1835       | 34                | "            |
| Henry XX.      | "             | Reuss, Elder Line,    | June 29, 1794  | Oct. 31, 1836      | 42                | "            |
| Henry LXII.    | "             | Reuss, Younger Line,  | May 31, 1785   | Apr. 17, 1818      | 32                | "            |
| Leopold        | "             | Lippe-Deimold         | Nov. 6, 1796   | Apr. 4, 1802       | 5                 | Reformed     |
| Geo. William   | "             | Lippe-Schaumburg      | Dec. 20, 1784  | Feb. 13, 1787      | 2                 | "            |
| George Victor  | "             | Waldeck               | Jan. 14, 1831  | May 15, 1845       | 14                | Evangelical  |
| Ferdinand      | Landgrave     | Hesse-Homburg         | Apr. 26, 1783  | Sept. 8, 1848      | 65                | Reformed     |
| Leopold        | Grand Duke    | Baden                 | Aug. 29, 1790  | Mar. 30, 1830      | 40                | Evangelical  |
| William II.    | Elector       | Hesse-Cassel          | July 28, 1777  | Feb. 27, 1821      | 44                | Reformed     |
| Louis III.     | Grand Duke    | Hesse-Darmstadt       | June 9, 1806   | June 16, 1848      | 42                | Lutheran     |
| Charles        | Prince        | Hohenzol'n-Sigmar'n   | Feb. 20, 1785  | Oct. 17, 1831      | 46                | Catholic     |
| Frederick      | "             | Hohenzol'n-Hechin'n   | Feb. 16, 1801  | Sept. 13, 1838     | 37                | "            |
| Aloys          | "             | Liechtenstein         | May 26, 1796   | Apr. 20, 1836      | 40                | "            |
| William        | King          | Wurtemberg            | Sep. 27, 1781  | Oct. 30, 1816      | 35                | Lutheran     |
| Maxim. Joseph  | "             | Bavaria,              | Nov. 28, 1811  | Mar. 22, 1848      | 37                | Catholic     |
| Ferdinand      | Emperor       | Austria,              | Apr. 19, 1793  | Mar. 2, 1835       | 42                | "            |
| Gen. Cavaignac | Pres. Council | France                |                | June 24, 1848      |                   | "            |
| Isabella II.   | Queen         | Spain                 | Oct. 10, 1830  | Sept. 29, 1833     | 3                 | "            |
| Maria II.      | "             | Portugal              | Apr. 4, 1819   | May 2, 1826        | 7                 | "            |
| Charles Albert | King          | Sardinia              | Oct. 2, 1798   | Apr. 27, 1831      | 32                | "            |
| Leopold II.    | Grand Duke    | Tuscany               | Oct. 3, 1797   | June 18, 1824      | 26                | "            |
| Charles Louis  | Duke          | Parma                 | Dec. 22, 1799  | Dec. 15, 1847      | 48                | "            |
| Francis V.     | "             | Modena and Massa      | June 1, 1819   | Jan. 21, 1846      | 26                | "            |
| Pius IX.       | Pope          | States of the Church  | May 13, 1792   | June 21, 1846      | 54                | "            |
| †Ferdinand II. | King          | Two Sicilies          | Jan. 12, 1810  | Nov. 8, 1830       | 20                | "            |
| Otho           | "             | Greece                | June 1, 1815   | May 7, 1832        | 17                | Catholic*    |
| Abdul Medjid   | Sultan        | Turkey                | May 6, 1822    | July 1, 1839       | 17                | Mahometan    |
| Floristan      | Prince        | Monaco                | Oct. 10, 1785  | Oct. 2, 1841       | 56                | Catholic     |
| John           | Lt.-General   | German Federation     | Jan. 20, 1782  | June 28, 1848      | 66                |              |

\* The King of Belgium is a *Protestant*, though his subjects are mostly *Catholics*; the King of Saxony is a *Catholic*, though the greater part of his subjects are *Protestants*; and the King of Greece is a *Catholic*, though most of his subjects are of the *Greek Church*.

† Sicily has declared itself independent; but the throne is not yet filled.

## STATES OF EUROPE,

*With the Form of Government, and Square Miles, according to McCulloch's Geographical Dictionary, with Corrections; and the Population (chiefly) from the Almanach de Gotha for 1848.*

| States and Titles.                                 | Form of Government.                            | Square Miles. | Population. |
|--|--|---------------|-------------|
| Andorre, Pyrenees, <i>Repub.</i>                   | With two syndics and a council,                | 190           | 7,000       |
| *Anhalt-Bernburg, <i>Duchy</i> ,                   | States having limited powers,                  | 336           | 48,844      |
| *Anhalt-Cothen, " "                                | " "  | 310           | 42,106      |
| *Anhalt-Deessau, " "                               | " "  | 337           | 62,690      |
| *Austria, <i>Empire</i> ,                          | Unsettled, (Oct. 7, 1848,)                     | 255,226       | 35,879,152  |
| *Baden, <i>Grand Duchy</i> ,                       | Limited sovereignty; two chambers,             | 5,712         | 1,335,200   |
| *Bavaria, <i>Kingdom</i> ,                         | Limited monarchy; " "                          | 28,435        | 4,504,874   |
| Belgium,   | " "  | 12,569        | 4,335,319   |
| *Bremen, <i>Free City</i> ,                        | Republic; senate and convention,               | 67            | 72,820      |
| *Brunswick, <i>Duchy</i> ,                         | Limited sovereignty; one chamber,              | 1,525         | 267,565     |
| Church, States of, <i>Pope</i> dom,                | Constitutional monarchy; with a senate,        | 17,048        | 2,908,115   |
| Denmark, with Schleswig-Holstein, <i>Kingdom</i> , | Absolute monarchy; with prov. states,          | 59,762        | 2,194,950   |
| France,  | Republic; with a gov'tment <i>ad interim</i> , | 202,125       | 35,400,486  |
| *Frankfort, <i>Free City</i> ,                     | Republic; senate and legislative body,         | 91            | 68,240      |
| Great Britain, <i>Kingdom</i> ,                    | Limited monarchy; lords and commons,           | 116,700       | 27,019,555  |
| Greece,  | Limited monarchy,                              | 10,206        | 637,700     |
| *Hamburg, <i>Free City</i> ,                       | Republic; senate and common council,           | 149           | 188,054     |
| *Hanover, <i>Kingdom</i> ,                         | Limited monarchy; two chambers,                | 14,600        | 1,773,711   |
| *Hesse-Cassel, <i>Electorate</i> ,                 | Limited sovereignty; one chamber,              | 4,386         | 732,073     |
| *Hesse-Darmstadt, <i>G. Duch.</i> ,                | Limited sovereignty; two chambers,             | 3,198         | 852,679     |
| *Hesse-Homb'g, <i>Landg'v'te</i> ,                 | Absolute sovereignty,                          | 154           | 24,373      |
| *Hohenzol. Hechingen, <i>Pr.</i>                   | Limited; one chamber,                          | 136           | 20,143      |
| *Hohenzol. Sigmaring'n, " "                        | " "  | 283           | 45,431      |
| Holland, with Luxemburg,                           | Limited monarchy; two chambers,                | 13,890        | 3,247,655   |
| Ionian Islands, <i>Republic</i> ,                  | Under Brit. protec.; council and chamb.,       | 998           | 219,797     |
| *Liechtenstein, <i>Principal.</i> ,                | Limited monarchy; with one chamber,            | 52            | 6,351       |
| *Lippe-Deimold, " "                                | " "  | 432           | 108,236     |
| *Lippe-Schaumburg, " "                             | " "  | 205           | 31,870      |
| *Lubeck, <i>Free City</i> ,                        | Republic; senate and common council,           | 142           | 47,197      |
| *Mecklen.-Schwerin, <i>G. Du.</i>                  | Limited monarchy; with one chamber,            | 4,701         | 522,144     |
| *Mecklenburg-Strelitz, " "                         | " "  | 1,094         | 94,406      |
| Modena and Massa, <i>Duchy</i> ,                   | Revolutionary,                                 | 2,073         | 515,343     |
| Monaco, <i>Principality</i> ,                      | Absolute monarchy,                             | 50            | 7,000       |
| *Nassau, <i>Duchy</i> ,                            | Limited sovereignty; two chambers,             | 1,736         | 417,708     |
| *Oldenburg, <i>Grand Duchy</i> ,                   | Unsettled,                                     | 2,470         | 278,909     |
| Parma, <i>Duchy</i> ,                              | " "  | 2,184         | 496,903     |
| Portugal, <i>Kingdom</i> ,                         | Lim. monarchy; one chamber of rep.,            | 34,500        | 3,412,500   |
| *Prussia,  | Limited monarchy,                              | 106,302       | 16,112,948  |
| *Reuss, <i>Principalities of</i> ,                 | Limited sovereignty; one chamber,              | 588           | 110,819     |
| †Russia, <i>Empire</i> ,                           | Absolute monarchy,                             | 2,041,809     | 65,949,266  |
| San Marino, <i>Republic</i> ,                      | Senate and council of ancients,                | 21            | 7,600       |
| Sardinia, <i>Kingdom</i> ,                         | Constitutional monarchy,                       | 28,830        | 4,650,368   |
| *Saxony,   | Limited monarchy; two chambers,                | 5,705         | 1,757,800   |
| *Saxe-Altenburg, <i>Duchy</i> ,                    | Limited monarchy; one chamber,                 | 491           | 128,819     |
| *Saxe-Cob'g & Gotha, " "                           | " "  | 790           | 147,195     |
| *Saxe-Mein.-Hildburg., " "                         | " "  | 880           | 160,515     |
| *Saxe-Weim.-Eisenach, " "                          | " "  | 1,403         | 267,573     |
| *Schwarzburg-Rudolst., <i>Pr.</i>                  | " "  | 331           | 68,891      |
| *Schwarzburg-Sondersh., " "                        | " "  | 328           | 57,909      |
| Sicilies, The Two, <i>Kingdom</i> ,                | Limited monarchy; with two chamb.,             | 41,521        | 8,423,316   |
| Spain,   | Limited monarchy; with a legislature,          | 176,480       | 12,366,841  |
| Sweden and Norway, " "                             | Lim. monarchy; with a diet & storting,         | 284,530       | 4,306,650   |
| Switzerland, <i>Republic</i> ,                     | Confederation of republics; a diet,            | 17,208        | 2,188,009   |
| §Turkey, <i>Empire</i> ,                           | Absolute monarchy,                             | 183,140       | 9,545,000   |
| Tuscany, <i>Grand Duchy</i> ,                      | Constitutional monarchy,                       | 8,712         | 1,733,949   |
| *Waldeck, <i>Principality</i> ,                    | Limited sovereignty; one chamber,              | 455           | 58,753      |
| *Wurtemberg, <i>Kingdom</i> ,                      | Limited monarchy; two chambers,                | 7,562         | 1,743,827   |
| Total,   |  | 3,105,011     |             |

\* Member of the Confederation of Germany.

† Including Poland.

‡ The island of Sicily has declared itself independent. The number of square miles is 8,861; population, 2,040,610.

§ Including Wallachia, Moldavia, and Servia.

|| With Lucca. Pizzano was surrendered by Tuscany to Modena, Dec. 9, 1847. In the table it is still included in Tuscany.

## FRANCE.

## MINISTRY.

|                          |  |
|--------------------------|--|
| General Cavaignac,       | <i>President of the Council.</i>       |
| M. Senard,               | <i>Minister of the Interior.</i>       |
| M. Jules Bastide,        | <i>Minister of Foreign Affairs.</i>    |
| M. Goudchaux,            | <i>Minister of Finance.</i>            |
| M. Marie,                | <i>Minister of Justice.</i>            |
| General Lamoricière,     | <i>Minister of War.</i>                |
| M. Carnot,               | <i>Minister of Public Instruction.</i> |
| M. Thouret,              | <i>Minister of Commerce.</i>           |
| M. Recurt,               | <i>Minister of Public Works.</i>       |
| M. Verinhac de St. Maur, | <i>Minister of Marine.</i>             |

## GREAT BRITAIN.

## THE ROYAL FAMILY.

*The Queen.* Alexandrina Victoria, born May 24, 1819; succeeded her uncle, William IV., June 20, 1837; married, Feb. 10, 1840, to Prince Francis Albert Augustus Charles Emanuel, of Saxe Coburg and Gotha, born Aug. 26, 1819.

*Princess Royal.* Victoria Adelaide Mary Louisa, born Nov. 21, 1840.

*Prince of Wales.* Albert Edward, born Nov. 9, 1841.

*Princess Royal.* Alice Maud Mary, born April 25, 1843.

*A Royal Prince.* Alfred Ernest Albert, born August 6, 1844.

*A Royal Princess.* Helena Augusta Victoria, born May 25, 1846.

*A Royal Princess.* Louisa Caroline Alberta, born March 18, 1848.

*The Queen Dowager.* Adelaide Amelia Louisa Teresa Caroline, widow of King William IV., sister of the reigning Duke of Saxe-Meiningen, born August 13, 1792.

*Her Majesty's Mother.* Victoria Maria Louisa, Princess Dowager of Leiningen, Duchess of Kent, born August 17, 1786.

*Royal Princes and Princesses.*

Ernest Augustus (King of Hanover), Duke of Cumberland, born June 5, 1771; married, May 29, 1815, to Frederica Carolina Sophia Alexandrina, daughter of the Duke of Mecklenburg-Strelitz, and widow of Frederic William, Prince of Solms-Braunfels, born March 2, 1778. *Issue*, George Frederic, born May 27, 1819.

Adolphus Frederick, Duke of Cambridge, born Feb. 24, 1774; married, May 7, 1818, to Augusta Wilhelmina Louisa, daughter of the Landgrave of Hesse, born July 25, 1797. *Issue*, George William, born March 26, 1819; Augusta Caroline, July 19, 1822; Mary Adelaide, Nov. 27, 1833.

Mary, Duchess of Gloucester, born April 25, 1776.

**MINISTRY. — Formed July, 1846.**

|                                       |  | Salary. |
|---------------------------------------|--|---------|
| Lord John Russell,                    | <i>First Lord of the Treasury,</i>           | £5,000  |
| Lord Cottenham,                       | <i>Lord High Chancellor,</i>                 | 14,000  |
| Marquis of Lansdowne,                 | <i>Lord President of the Council,</i>        | 2,000   |
| Earl of Minto,                        | <i>Lord Privy Seal,</i>                      | 2,000   |
| Sir George Grey, <i>Bart.</i> ,       | <i>Secretary of State, — Home Dep.,</i>      | 5,000   |
| Viscount Palmerston,                  | <i>Secretary of State, — Foreign Dep.,</i>   | 5,000   |
| Earl Grey,                            | <i>Secretary of State, — Colonial Dep.,</i>  | 5,000   |
| Sir Charles Wood, <i>Bart.</i> ,      | <i>Chancellor of the Exchequer,</i>          | 5,000   |
| Earl of Auckland,                     | <i>First Lord of the Admiralty,</i>          | 4,500   |
| Thomas Babington Macaulay,            | <i>Paymaster-General,</i>                    | 2,500   |
| Sir John C. Hobhouse, <i>Bart.</i> ,  | <i>President of Board of Control,</i>        | 2,000   |
| Lord Campbell,                        | <i>Chancellor of the Duchy of Lancaster.</i> |         |
| Viscount Morpeth,                     | <i>Woods and Forests.</i>                    |         |
| Marquis of Clanricarde,               | <i>Postmaster-General.</i>                   |         |
| Rt. Hon. Henry Labouchere,            | <i>President of the Board of Trade.</i>      |         |
| Sir Wm. M. Somerville, <i>Bart.</i> , | <i>Chief Secretary for Ireland.</i>          |         |

\* \* The above form the Cabinet.

|                     |  |        |
|---------------------|--|--------|
| Duke of Wellington, | <i>Commander of the Forces.</i>              |        |
| Earl of Fortescue,  | <i>Lord Steward of the Household.</i>        |        |
| Duke of Norfolk,    | <i>Earl Marshal and Master of the Horse.</i> |        |
| Sir John Jervis,    | <i>Attorney-General.</i>                     |        |
| Sir John Romilly,   | <i>Solicitor-General.</i>                    |        |
| Earl of Dalhousie,  | <i>Governor-General of India.</i>            |        |
| Earl of Clarendon,  | <i>Lord-Lieutenant of Ireland,</i>           | 20,000 |
| Rt. Hon. Fox Maule, | <i>Secretary at War,</i>                     | 2,580  |

**ENGLISH COLONIAL BISHOPS.\***

| Cons. | Bishops.                     | Dioceses.          | Allowance. | Clergy. |
|-------|------------------------------|--------------------|------------|---------|
| 1843  | Aubrey George Spencer, D. D. | Jamaica,           | £ 4,000    |         |
| 1842  | Thomas Parry, D. D.          | Barbadoes,         | 4,000      | 160     |
| 1825  | John Inglis, D. D.           | Nova Scotia,       | 2,400      |         |
| 1832  | Daniel Wilson, D. D.         | Calcutta,          | 5,000      | 37      |
| 1836  | George J. Mountain, D. D.    | Montreal,          | 1,500      |         |
| 1836  | Thomas Carr, D. D.           | Bombay,            | 2,500      | 12      |
| 1836  | Wm. Grant Broughton, D. D.   | Sydney, Metrop.,   | 2,000      |         |
| 1837  | G. T. Spencer, D. D.         | Madras,            | 2,500      | 24      |
| 1839  | John Strachan, D. D.         | Toronto.           |            |         |
| 1844  | Edward Field, D. D.          | Newfoundland.      |            |         |
| 1845  | John Medley, D. D.           | Fredericton, N. B. |            |         |
| 1841  | G. A. Selwyn, D. D.          | New Zealand.       |            |         |
| 1842  | W. P. Austin, D. D.          | Brit. Guiana.      |            |         |
| 1842  | George Tomlinson, D. D.      | Malta & Gibralt'r. |            |         |
| 1845  | James Chapman, D. D.         | Columbo, Ceylon.   |            |         |
| 1842  | F. R. Nixon, D. D.           | Tasmania.          |            |         |
| 1842  | D. G. Davis, D. D.           | Antigua.           |            |         |
| 1847  | Wm. Tyrrell, D. D.           | Newcastle.         |            |         |
| 1847  | Charles Perry, D. D.         | Melbourne.         |            |         |
| 1847  | Augustus Short, D. D.        | Adelaide.          |            |         |
| 1847  | R. Gray, D. D.               | Cape Town.         |            |         |

\* These bishops, of course, do not sit in Parliament.

## ARCHBISHOPS AND BISHOPS OF ENGLAND.

| Born.             | Cons. | Trans. | Archbishops.                       | Dioceses.           | Net Income.* |
|-------------------|-------|--------|------------------------------------|---------------------|--------------|
| 1780              | 1828  | 1848   | John Bird Sumner, <i>Primate</i> , | Canterbury,         | £ 17,000     |
| 1788              | 1837  | 1847   | Thomas Musgrave,                   | York,               | 10,000       |
| <i>Bishops.</i>   |       |        |                                    |                     |              |
| 1786              | 1824  | 1828   | Chas. James Blomfield, D. D.       | London,             | 11,700       |
| 1770              | 1831  | 1836   | Edward Maltby, D. D.               | Durham,             | 8,000        |
| 1790              | 1826  | 1827   | Chas. Richard Sumner, D. D.        | Winchester,         | 10,500       |
| 1783              | 1820  | 1827   | John Kaye, D. D.                   | Lincoln,            | 4,000        |
|                   | 1824  | 1830   | Christopher Bethell, D. D.         | Bangor,             | 4,000        |
| 1784              | 1827  |        | Hugh Percy, D. D.                  | Carlisle,           | 3,000        |
| 1784              | 1827  |        | George Murray, D. D.               | Rochester,          | 5,000        |
| 1776              | 1827  |        | Edward Copleston, D. D.            | Llandaff,           | 1,000        |
|                   | 1848  |        | John Graham, D. D.                 | Chester,            | 3,250        |
| 1782              | 1829  | 1845   | Richard Bagot, D. D.               | Bath & Wells,       | 5,000        |
| 1783              | 1830  |        | James Henry Monk, D. D.            | Glo'ster & Bristol, | 3,700        |
| 1777              | 1830  |        | Henry Phillpotts, D. D.            | Exeter,             | 2,700        |
| 1794              | 1836  |        | Chas. Thomas Longley, D. D.        | Ripon,              | 4,500        |
| 1801              | 1837  |        | Edward Denison, D. D.              | Salisbury,          | 5,000        |
| 1779              | 1837  |        | Edward Stanley, D. D.              | Norwich,            | 4,465        |
| 1780              | 1839  |        | George Davys, D. D.                | Peterborough,       | 4,500        |
| 1797              | 1840  |        | Connop Thirlwall, D. D.            | St David's,         | 2,500        |
| 1783              | 1840  | 1841   | Henry Pepys, D. D.                 | Worcester,          | 5,000        |
|                   | 1842  |        | Ashurst Turner Gilbert, D. D.      | Chichester,         | 4,200        |
|                   | 1843  |        | John Lonsdale, D. D.               | Lichfield,          | 4,500        |
|                   | 1845  |        | Thomas Turton, D. D.               | Ely,                | 5,500        |
| 1805              | 1845  |        | Samuel Wilberforce, D. D.          | Oxford,             | 5,000        |
| 1790              | 1841  | 1846   | Thomas Vowler Short, D. D.         | St. Asaph,          | 5,300        |
|                   | 1848  |        | Renn Dickson Hampden, D. D.        | Hereford,           | 4,200        |
| <i>Not Peers.</i> |       |        |                                    |                     |              |
|                   | 1847  |        | James Prince Lee, D. D.            | Manchester,         | 4,500        |
|                   | 1847  |        | Robert John Eden, D. D.            | Sodor & Man,        | 2,000        |

The Bishops of London, Durham, and Winchester rank next to the Archbishops; the rest, according to priority of consecration.

## ARCHBISHOPS AND BISHOPS OF IRELAND.

| Cons. | Trans. | Archbishops.                           | Dioceses. | Cons. | Trans. | Bishops.              | Dioceses.   |
|-------|--------|--|-----------|-------|--------|-----------------------|-------------|
| 1806  | 1822   | Lord J. G. de la Poer Beresford, D. D. | Armagh.   | 1812  | 1820   | John Leslie, D. D.    | †Kilmore.   |
| 1831  |        | Rich. Whately, D. D.                   | Dublin.   | 1820  | 1823   | Richard Mant, D. D.   | Down & Con. |
|       |        |  |           | 1828  | 1831   | Rich. Ponsonby, D. D. | Derry.      |
|       |        | <i>Bishops.</i>                        |           | 1830  |        | Samuel Kyle, D. D.    | Cork.       |
|       |        |  |           | 1831  | 1834   | Edmund Knox, D. D.    | Limerick.   |
| 1840  |        | Edw. Stopford, D. D.                   | Meath.    | 1839  |        | Thos. Plunket, D. D.  | Tuam & K.   |
| 1804  | 1822   | Lord R. P. Tottenham, D. D.            | †Clogher. | 1839  |        | Ludlow Tonsen, D. D.  | Killaloe.   |
|       |        |  |           | 1842  |        | J. T. O'Brien, D. D.  | Ossory.     |
|       |        |  |           | 1843  |        | Robert Daly, D. D.    | Cashel, &c. |

The Bishop of Meath takes precedence of all other Irish bishops, and is a Privy Councillor in right of his see. The rest take precedence according to priority of consecration.

\* By net income is meant that of the *bishopric*. Some bishops hold other places of profit in the Church. The Bishop of Llandaff receives £2,965 as Dean of St. Paul's, the Bishop of Carlisle £1,489, as a Prebendary of St. Paul's, &c. There are in England and Wales 11,386 benefices, and 7,785 glebe-houses.

† The bishoprics thus marked are to be abolished when they become vacant.

## JUDICIARY.

*England.*

*High Court of Chancery.*—Lord Cottenham, *Lord High Chancellor*, salary, £14,000; Lord Langdale, *Master of the Rolls*, £7,000; Sir Launcelot Shadwell, *Vice-Chancellor of England*; Sir J. L. Knight Bruce, and Sir James Wigram, *Vice-Chancellors*, £6,000 each.

*Court of Queen's Bench.*—Lord Denman, *Lord Chief Justice*, £10,000; Sir J. Patteson, Sir J. T. Coleridge, Sir Wm. Wightman, and Sir William Erle, *Judges*, £5,500 each.

*Court of Common Pleas.*—Sir Thomas Wilde, *Lord Chief Justice*, £8,000; Sir Th. Coltman, Sir W. H. Maule, Sir C. Creswell, and Sir Edw. Vaughan Williams, *Judges*, £5,500 each.

*Court of Exchequer.*—Sir Frederic Pollock, *Lord Chief Baron*, £7,000; Sir James Parke, Sir E. H. Alderson, Sir R. M. Rolfe, Sir Thomas Joshua Platt, *Barons*, \$ 5,500 each.

*Scotland.*

*Court of Session.*—*1st Division.* \*David Boyle, *Lord President*, £4,300; \*J. H. Mackenzie, *Lord Mackenzie*; J. Fullerton, *Lord Fullerton*; Francis Jeffrey, *Lord Jeffrey*, *Judges*, £2,000 each.

*2d Division.*—\*John Hope, *Lord President*, £4,000; \*J. H. Forbes, *Lord Medwyn*; \*Sir J. W. Moncrieff, *Lord Moncrieff*; \*H. Cockburn, *Lord Cockburn*, *Judges*, £2,000 each. Those of the judges who are also judges of the Criminal Court have an additional £600 a year.

*Outer House: Permanent Lords Ordinary, attached equally to both Divisions of the Court.*—J. Cunninghame, *Lord Cunninghame*; Sir J. A. Murray, *Lord Murray*; James Ivory, *Lord Ivory*; Alexander Wood, *Lord Wood*; Patrick Robertson, *Lord Robertson*. Andrew Rutherford, *Lord Advocate*. T. Maitland, *Solicitor-General*.

The Judges marked thus, \*, are Lords of the Justiciary, or chief Criminal Court.

*Court of Justiciary.*—*Lord Justice General*, David Boyle; *Lord Justice Clerk*, John Hope; *Commissioners*, the remaining Lords of Session marked \* in the list.

*Ireland.*

*Court of Chancery.*—Rt. Hon. Maziere Brady, *Lord Chancellor*, £8,000; Rt. Hon. T. B. C. Smith, *Master of the Rolls*, £4,500.

*Court of the Queen's Bench.*—Rt. Hon. F. Blackburne, *Lord Chief Justice*, £5,076; Philip C. Crampton, Louis Perrin, Richard Moore, *Judges*, £3,692 each.

*Court of Common Pleas.*—Rt. Hon. John Doherty, *Lord Chief Justice*, £4,615; Robert Torrens, Nicholas Ball, and J. D. Jackson, *Judges*, £3,692 each. *Attorney-General*, J. H. Monahan, Esq.; *Solicitor-General*, John Hatchell, Esq.

*Court of Exchequer.*—Rt. Hon. David R. Pigot, *Lord Chief Baron*; Hon. Richard Pennefather, Rt. Hon. John Richards, Rt. Hon. Thomas Letroy, *Barons*.

## PARLIAMENT.

The more important changes in both Houses of Parliament since the publication of the American Almanac for 1848, are noted below. With these alterations, the list published in that volume is substantially correct at the present time.

*House of Lords.*

- Page 330. Northumberland (Duke), *for* Hugh Percy, b. 1785, *read* Algernon Percy, b. 1792.  
 " Ailsa (Marquis), *for* b. 1770, *read* b. 1816.  
 " Dele Thomond (Marquis).  
 " Winchester (Marquis), *for* b. 1805, *read* 1801.  
 " Ellenborough (Earl), transpose dates of birth and creation.  
 " Granville (Earl), *for* b. 1773, *read* b. 1815.  
 Page 331. Strange (Earl), *for* J. Murray, b. 1778, *read* G. A. F. Murray, b. 1814.  
 " Waldegrave (Earl), *for* Geo. E. Waldegrave, b. 1816, *read* Wm. Waldegrave, b. 1788.  
 " Yarborough (Earl), *for* b. 1781, *read* b. 1809.  
 " Dele Viscount Arbuthnot.  
 " Hood (Viscount), *for* Samuel, b. 1808, *read* F. W., b. 1833.  
 " O'Neill (Viscount), *prefix* \*.  
 " Campbell (Baron), *for* b. 1781, *read* b. 1779.  
 " Dele Carberry (Baron).  
 Page 332. Cowley (Baron), *for* H. Wellesley, b. 1773, *read* H. R. C. Wellesley, b. 1804.  
 " Dele Glenlyon (Baron).  
 " Kilmarnock (Baron), *for* W. G. Hay, b. 1801, *read* Wm. Harry Hay, b. 1823.  
 " Lurgan (Baron), *for* b. 1795, *read* b. 1831.  
 " Dele Metcalfe (Baron).  
 Page 333. Dele Prudhoe (Baron).  
 " Dele Reay (Baron).  
 " Rodney (Baron), *for* Spencer Rodney, b. 1785, *read* R. D. Rodney, b. 1820.  
 " Rollo (Baron), *for* J. Rollo, b. 1773, *read* Wm. Rollo, b. 1809.  
 " Saye and Sele (Baron), *for* W. T. E. Twistleton-Fiennes, b. 1798, *read* Fred. Twistleton-Fiennes, b. 1799.  
 " Sinclair (Baron), *prefix* †.  
 " Stourton (Baron), *for* Wm. Stourton, b. 1776, *read* Charles Stourton, b. 1802.  
 " Sudeley (Baron), *for* b. 1798, *read* b. 1777.  
 " Sundridge and Hamilton (Baron), *for* J. D. E. H. Campbell, b. 1777, *read* George Douglas Campbell, b. 1823.  
 " Dele Tadcaster.  
 " Wodehouse (Baron), *for* b. 1771, *read* b. 1826.

*Add to List of Barons.*

† Gray, John Gray, cr. 1445, b. 1798.

† Elphinstone, John Elphinstone, cr. 1509, b. 1807.

*Add to List of Earls.*

\* Erne, John Creighton, cr. 1789, b. 1802.

\* Desart, J. O. O'C. Cuffe, cr. 1793, b. 1818.

*Peers Deceased since Oct. 1, 1847.*

Marquis of Bute, succeeded by his son John James Crichton Stuart, b. 1847.

Earl Powis, succeeded by his son, Edward James Herbert, b. 1818.

Earl Harrowby, succeeded by his son, Dudley Ryder, b. 1798.

Earl Moray, succeeded by his son, Francis Stuart, b. 1795.

Earl Carlisle, succeeded by his son, Lord Morpeth, b. 1802.

Baron Ashburton, succeeded by his son, Wm. Bingham Baring, b. 1799.

*New Peers, not noted in American Almanac for 1848.*

- Earls. Ellesmere, F. Egerton, cr. 1846, b. 1800.  
 " Strafford, John Byng, cr. 1847, b. 1768.  
 Viscount Hardinge, Henry Hardinge, cr. 1846, b. 1785.  
 Barons. Dartrey, R. Dawson, cr. 1847, b. 1817.  
 " Milford, R. B. P. Philipps, cr. 1847, b. 1801.  
 " Acheson, A. Acheson, cr. 1847, b. 1806.  
 " Gough, Hugh Gough, cr. 1846, b. 1779.  
 " Eddisbury, Edward John Stanley, cr. 1848, b. 1802.

*House of Commons.**Changes in the House of Commons since the Election in 1847.*

- Aylesbury, . . . Quintin Dick, *vice* Dearing, void election.  
 Bewdley, . . . Viscount Mandeville, *vice* Ireland, void election.  
 Bolton, . . . Stephen Blair, *vice* Bolling.  
 Carlisle, . . . P. H. Howard, elected on petition, *vice* Dixon, void election.  
 Cheltenham, . . . Void for bribery.  
 Cheshire, North, . . Mr. Legh.  
 Cirencester, . . . Mr. Mullings, *vice* Cripps, deceased.  
 Derby, . . . Mr. Bass and Mr. Heyworth, *vice* Strutt and Gower, void election.  
 Devizes, . . . J. B. B. Estcourt, *vice* Bruges, Chilt. Hund.  
 Harwich, . . . Right Hon. Sir J. C. Hobhouse, Bart., *vice* Attwood, void election.  
 Horsham, . . . Mr. Fitzgerald, *vice* Jervis, void election.  
 Lancashire, South, A. Henry, *vice* Villiers, who sits for Wolverhampton.  
 Lancaster, . . . R. B. Armstrong, *vice* Gregson, void election.  
 Leicester, . . . Messrs. Harris & Ellis, *vice* Walmsley & Gardner, unseated for bribery.  
 Lincoln, . . . T. B. Hobhouse, *vice* Seeley, void election.  
 Monmouthshire, . . E. A. Somerset, *vice* Lord G. Somerset, deceased.  
 Montgomery, . . . David Pugh, Cholmondely having declined to defend his seat.  
 Rye, . . . H. M. Curteis, *vice* H. B. Curteis, deceased.  
 Shropshire, North, J. W. Dod, *vice* Viscount Clive, now Earl of Powis.  
 Stockport, . . . Jas. Kershaw, *vice* Cobden, who sits for Yorkshire West.  
 Sunderland, . . . Sir Hedworth Williamson, *vice* Barclay, Chilt. Hund.  
 Tamworth, . . . J. Townshend, *vice* Peel, Chilt. Hund.  
 Weymouth, . . . Hon. F. W. C. Villiers, *vice* Christie, Chilt. Hund.  
 Wicklow, . . . Sir Ralph Howard.  
 Yarmouth, . . . Mr. Sanders and Mr. Rumbold.  
 York City, . . . Mr. Milner, *vice* Yorke, deceased.  
 Dublin University, Jos. Napier, *vice* Shaw, Chilt. Hund.  
 Dundalk, . . . W. T. M'Cullagh, elected on petition, *vice* M'Tavish, void election.  
 Kilkenny City, . . Michael Sullivan, *vice* J. O'Connell, who sits for Limerick City.  
 Kinsale, . . . Benj. Hawes, *vice* Guinness, void election.  
 Sligo Borough, . . Charles Townely, Esq., *vice* Somers, void election.  
 Waterford City, . . Sir H. W. Barron, Bart., *vice* O'Connell, Chilt. Hund.  
 J. P. Westhead (not Lawson) is member for Knaresborough, and A. Anderson for Orkney and Shetland.

In the House of Commons, elected in 1847, of 654 members returned, 202 were (according to the Royal Calendar) connected with members of the House of Lords, as follows:—eldest sons, 53; sons, 27; sons-in-law, 23; brothers, 50; brothers-in-law, 24; fathers-in-law, 2; uncles, 4; cousins, 10; nephews, 8; grandson, 1. Of the members not connected with noble families, there were baronets, 47; lawyers, 60; bankers, 14; surgeon, 1; engineers, 3; merchants and manufacturers, 22; army officers, 10; naval officers, 4; gentlemen with no occupation stated, 291; total, 452. Of the members elected, 153 have been members of 1 former Parliament; 84 of 2; 55 of 3; 71 of 4; 21 of 5; 28 of 6; 18 of 7; 13 of 8; 10 of 9; 7 of 10; 4 of 11; 3 of 12; 1 of 14; and 186 are new members.



## AMERICAN OBITUARY.

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1847.

Oct. 18. — In St. Albans, Vt., *Hon. Asa Aldis*, aged 77, a graduate of Brown University, an eminent lawyer, and in the years 1815 and 1816 chief justice of the Supreme Court of Vermont.

Dec. 10. — At Philadelphia, *Samuel Brashears, Esq.*, an accomplished lawyer and scholar.

Dec. 8. — At his residence in Greensburg, Ky., *Hon. Richard A. Buckner*, formerly member of Congress, aged 84.

Sept. 26. — At Norfolk, Va., *Captain Landon N. Carter*, late of Virginia, of the United States Marine Corps, a gentleman of accomplished manners, of fine education, amiable temper, and highly respected by an extensive acquaintance.

Nov. 30. — At Easthampton, Mass., *Mrs. Phebe Clapp*, aged 97 years and 7 days. She was married eighty-two years since to Mr. Benjamin Clapp, and was the mother of fifteen children, thirteen of whom lived to become heads of families. One daughter, now at the age of seventy-nine years, followed her to the grave. She had about seventy grandchildren, and about the same number of great-grandchildren. She was one of the seventy-three original members by whom the church in Easthampton was constituted, sixty-two years since, and is supposed to have been the last surviving of them all.

Dec. 23. — At Dorchester, Mass., *Rev. John Codman, D. D.*, aged 65. Dr. Codman was extensively known and highly respected in Boston and its vicinity, not only as a faithful pastor of his flock, over which he ministered for a period of thirty-nine years, but as an eminent preacher and earnest defender of what he held to be the orthodox faith. He was also highly esteemed in private life for his liberal feelings, and his faithful discharge of the duties of a good citizen.

Oct. 11. — At his residence at Mount Pleasant, Monroe County, Alabama, *Lorman Crawford, Esq.*, a native and prominent citizen of Georgetown, District of Columbia.

June 28. — At Canton, China, *Hon. Alexander Hill Everett*, aged 57. Mr. Everett was the son of a clergyman of Dorchester, Mass., and was graduated with very distinguished reputation at Harvard College in 1806. After leaving college, he was an usher at Phillips Academy, Exeter; and in 1809 accompanied Mr. Adams to St. Petersburg, as Secretary of Legation. In 1818 he was appointed by Mr. Monroe *Chargé d'Affaires* at Brussels, and in 1825, by Mr. Adams, Minister to Spain. He remained at Madrid until the year 1829, when he was recalled by General Jackson. Mr. Everett returned to America by the way of Paris, in which city he held an interesting interview with Charles X., a short time previous to the breaking out of the Revolution of the Three Days. A few months after his return to the United States, Mr. Everett became the editor and

principal proprietor of the *North American Review*. He had long been a leading contributor to this journal, which, under his charge, was materially improved. About the year 1832 he engaged actively in politics; and soon after connected himself with the Democratic party. On the accession of Mr. Polk to the Presidency, he gave to Mr. Everett the appointment of Commissioner to China. Mr. Everett sailed for Canton about two years ago, but proceeded no farther than Rio Janeiro, in consequence of ill-health. From Rio Janeiro he returned to the United States, and after an interval of several months again sailed for Canton, but had hardly become settled in his new residence, when his mortal career was arrested by the hand of death.

Mr. Everett was among the most eminent literary men this country has produced. He was a proficient in the languages and literature of modern Europe, in philosophy, in diplomacy, the law of nations, and all the learning requisite for the statesman. His writings, with the exception of his "Europe" and "America," are almost exclusively of a miscellaneous character, consisting chiefly of popular lectures and contributions to periodicals. In his death the country incurs the loss of one of her most eminent sons; of one who had served her ably and faithfully abroad, and contributed essentially to elevate among European scholars the character of American literature.

Sept. 24. — At Dorksville, *Col. David Folsom*, a councilman, captain, and chief of the Choctaws.

Oct. 16. — At Holderness, N. H., *Rev. Robert Fowle*, Rector of Trinity Church, in that town, aged 82. Mr. Fowle was among the earliest settlers in Holderness, and officiated as lay reader to the parish prior to his ordination. He was admitted to the ministry by Bishop Seabury, Dec. 13, 1789.

Dec. 20. — *Hon. R. S. Gamble*, formerly a member of Congress from Georgia, and more recently judge of the Superior Court of that State.

Dec. 1. — At his residence, "Hills and Dales," Montgomery County, Md., *Major Thomas Gittings*, aged 62, for ten years a representative of that county in the Legislature of Maryland.

Sept. 8. — Near the city of Mexico, *Lieut.-Col. William Montrose Graham*, aged 47, of the 11th regiment U. S. infantry. He entered the West Point Military Academy in 1813, and graduated in 1817 as lieutenant of artillery. He was son of William Graham, of Prince William County, Va. Colonel Graham was, soon after he graduated at West Point, selected by his commander, General Jackson, to perform some arduous duties among the Southwestern Indians, which he did so satisfactorily, that he was highly complimented by the General. Having been transferred to the 4th regiment of infantry, which was in Florida, he was placed in command of Fort King, in the very heart of the troublesome Miccosukies.

He was in Florida in 1835, when the Seminole war broke out, and bore the brunt of the first battle at the Withlacoochee, where his gallant final charge upon the Indians with the bayonet dispersed the savages, and aided greatly in securing the victory. General Clinch, in his official report, spoke in the highest terms of the conduct of Colonel (then Captain) Graham. He fell in that charge with two severe wounds from the Indian rifles. Colonel Graham was in every battle of much note on the peninsula, and at Okechubbee he led one wing of his regiment, and was complimented in the despatches of his colonel. He was distinguished at Palo Alto and Resaca de la Palma, where he was with the 4th regiment of infantry. At Monterey he was selected by General Taylor to lead his regiment to

the assault, and it was for his gallantry on those occasions, and especially that so signally displayed at Monterey, that he was selected as lieutenant-colonel of the 11th, one of the new regiments, by the President and Senate. He was not at Buena Vista, having been ordered to join General Scott; but at Vera Cruz, Cerro Gordo, Contreras, and Churubusco, he bore a prominent part. He fell, at the head of his regiment, at the battle of El Molino del Rey.

Sept. 2. — At Cotts Neck, Monmouth Co., N. J., *Thomas G. Haight*, aged 52, formerly Speaker of the House of Assembly and a member of the convention to form a constitution in 1844.

Oct. 10. — At his residence, in Fairfield District, S. C., *Hon. William Harper*, one of the chancellors of the State. Chancellor Harper was appointed in 1835, and continued in office till the time of his decease. He has always been considered one of the most eminent jurists in the State. In private as well as public life he was universally beloved. He retained through life the simplicity of youth, and all who knew him will bear witness to his kindness and generosity.

Dec. 24. — At Boston, *Hon. Samuel Hubbard*, aged 62, an associate justice of the Supreme Court of Massachusetts. He was born in Boston in 1785, and was graduated at Yale College in 1802. He studied law for two years in the office of Judge Chauncy at New Haven, and afterwards at Boston, with Hon. Charles Jackson. In 1806 he was admitted to practice, and commenced his career in Biddeford, Maine, where he continued until 1811, when he became connected with his former instructor, Judge Jackson. In 1842 he was appointed a judge of the Supreme Court. "He was remarkable among his contemporaries for his power of patient and thorough investigation. . . . His mind was thoroughly imbued with a knowledge of mercantile law, not merely the municipal law which governs one state or one country, but that qualified international law, which, for general convenience, and almost by general consent, governs the commercial world." He was a learned and upright judge, prudent, acute, and judicious in his decisions, and expert in the despatch of business.

Nov. 1. — At Norwich, Conn., *Hon. Jabez W. Huntington*, aged 59, a Senator of the United States. Mr. Huntington was born at Norwich, Nov. 8, 1788, and was graduated at Yale College in 1806. He studied law in Litchfield, and commenced practice in that town. He represented the town of Litchfield in the General Assembly in 1828. In April, 1829, he was elected a Representative in Congress, and continued a member of that body until 1834, when he removed to Norwich, and became a judge of the Superior Court, and of the Supreme Court of Errors. In May, 1840, he was appointed a Senator in Congress, to fill an unexpired term; and in 1845 he was elected to that office for a term which had not expired at the time of his death.

A statesman of more unbending integrity, or more unwavering fidelity to what he deemed the highest interests of the Union, never occupied a seat in the Senate of the United States; and the records of that body during the last eight years bear ample testimony to the untiring industry, energy, and distinguished ability with which he discharged the responsible duties assigned him by his native State.

Oct. 19. — *Kellogg Hurlburt, Esq.*, aged 64, a distinguished citizen of Oneida County, N. Y., and a native of Richmond, Mass.

Aug. 27. — At Salmadina, in the Gulf of Mexico, *Dr. James A. Kearney*, late

fleet-surgeon of the Home Squadron, and for nearly forty years a skilful and efficient officer of the navy.

Oct. 2. — At Worcester, Mass., *Hon. Joseph G. Kendall*, aged 59. He was son of the late Jonas Kendall of Leominster, was graduated at Harvard College in 1810, and was a tutor in the University from 1812 to 1819. From 1829 to 1833 he was member of Congress from the Northern District of Worcester County. After leaving Congress, he was appointed Clerk of the Courts. He was a man of good talents, of refined and cultivated taste, and uncommon purity of character.

Dec. 31. — At Muncietown, Indiana, *Hon. Andrew Kennedy*, aged 37. He was a native of Ohio, was bred a blacksmith, and at the age of nineteen could neither read nor write. He subsequently studied law, and became well known as a lawyer. He had been a member of the State Senate of Indiana, and had represented that State in Congress for six years, from 1841 to 1847.

Dec. 12. — At New York, *Hon. James Kent*, aged 84. Chancellor Kent was born July 31, 1763, in Fredericksburg, then part of Dutchess County, New York, and was the eldest son of Moss Kent, a graduate of Yale College, and member of the bar of Dutchess County. His grandfather, Rev. Elisha Kent, a native of Suffield, Conn., was for thirty-six years minister of the Presbyterian Society of Kent's Parish, in Dutchess County, and his brother, Moss Kent, was a member of the Senate of the State and of the United States, and for some time register of the Court of Chancery.

Mr. Kent received his preparatory education at Norwalk, Conn., and entered Yale College in 1777. In July, 1779, during the invasion of New Haven, the College exercises were suspended, and it was during this period that the future chancellor acquired a fondness for the profession of the law. He then first read Blackstone, and read it with care and enthusiasm. He was graduated with distinguished honor in 1781. Upon leaving College he studied the law with Egbert Benson, Attorney-General of the State of New York, and in 1787 was admitted, at Albany, a counsellor of the Supreme Court of the State. In 1790, and again in 1792, while residing at Poughkeepsie, he was elected to the Legislature from his native county, but in 1793, having lost his election by a few votes, he removed to the city of New York, and became Professor of Law in Columbia College. In 1796 he was appointed a master in chancery, and in the next year was made recorder of the city. In 1798 he was appointed associate justice of the Supreme Court. In July, 1804, he was appointed chief justice, and in February, 1814, he abandoned the latter office for that of chancellor, and on July 31st, 1823, after hearing and deciding every case that had been brought before him, he retired from office, agreeably to the provisions of the constitution of 1821, which disqualified for judicial office all above sixty years of age. This event was universally regarded with regret. The bar of New York, the bar of Albany, and such gentlemen as were then attending the Supreme Court at Utica, vied with each other in expressions of respect. The letters which are preserved in the 7th volume of Johnson's Chancery Reports are signed by the most distinguished lawyers in the State, and prove that, great as had been his merits as a judge, the warmth and generosity of his feelings had left an impression not less decided. The next year he was reappointed Law Professor in Columbia College, and the lectures which he there delivered formed the basis of his celebrated Commentaries. This work, and his decisions in law and equity preserved in the Reports of Caines and Johnson, constitute his legacies to the profession, and have marked

him, by the consent of the best judges, both in this country and in Europe, as one of the first legal writers of his time.

But Chancellor Kent had higher virtues than those which are exclusively professional. In private and domestic life, no man was more unaffected and amiable. His integrity was unimpeachable; his regard for the rights and feelings of others constantly awake; concealment, management, and intrigue were utterly foreign to his nature. His estimate of his own powers was modest, and frankly expressed; and though by no means insensible to the good opinion of others, no man was more generous in appreciating and proclaiming the merits of his eminent contemporaries in the law. He was permitted to reap the fruit of his virtues. In the city of his choice, and wherever he was known, the love and respect of the public attended him; his domestic relations were eminently happy, and his unwearied industry was rewarded by a long, prosperous, and contented life.

Dec. 12. — At Newburg, Ohio, *Judge Kingsbury*. Judge Kingsbury was one of the very first settlers of the Reserve, having landed at Conneaut in the summer of 1796, and settled at Newburg the same autumn. He was appointed a Territorial judge by Governor St. Clair, and was a member of the Legislature of Ohio at an early day.

Dec. 11. — At Northampton, *Hon. Joseph Lyman*, aged 80. Judge Lyman was born at Northampton, Oct. 20, 1767, and graduated at Yale College in 1783. He had held the various offices of Clerk of the Courts, Judge of the Common Pleas, Judge of Probate, and sheriff of Hampshire. He was also a member of the Hartford Convention, and in 1820 of the convention for revising the constitution of the State. From the age of 21 he had never failed to vote for State officers, having deposited his ballot for the 59th time at the election in 1847.

Sept. 26. — In the city of Mexico, of wounds received at El Molino del Rey, *Brevet-Colonel James S. McIntosh*, of the 5th infantry.

Sept. 17. — At the U. S. Hospital, in Mexico, of wounds received at the storming of El Molino del Rey, *Lieut. Charles F. Morris*, aged 28, of the 8th regiment of U. S. infantry.

Sept. 30. — At North Andover, *Isaac Osgood, Esq.*, aged 92.

Sept. 10. — In Washington city, *Hon. Samuel Parrie*, aged 92. He was a native of Plymouth County, Massachusetts, and joined the American army in June, 1775, at Bunker Hill. At the close of the war he removed to Maine, then a part of Massachusetts, where he was for several years a judge of the Court of Common Pleas, and member of the Legislature. He was an elector of President and Vice-President of the United States at Mr. Madison's second election.

Dec. 18. — At New Haven, *Hon. Timothy Pitkin*, aged 82. Mr. Pitkin was a son of Rev. Timothy Pitkin, of Farmington, Conn., and a graduate at Yale College in the class of 1785. He was by profession a lawyer. He represented his native town several times in the Legislature of Connecticut. In 1805 he was elected to Congress, where he continued fourteen years. "A Statistical View of the Commerce of the United States," 1 vol. 8vo., is the title of a work which he published in 1816. In 1835 he republished this work, continued down to that time, and much enlarged. In 1828 he published his "Political and Civil History of the United States from 1763 to the Close of Washington's Administration," 2 vols. 8vo. Both of these works are valued for their fairness and accuracy.

Oct. 1. — *The Rt. Rev. Dr. Power*, Roman Catholic Bishop of Toronto, Canada West. His disease was typhus fever, contracted during his ministration among the sick and dying immigrants. He was about forty-two years of age, and was a native of Halifax, Nova Scotia.

Sept. 29. — In Marblehead, *Hon. John Prince*, aged 86. Mr. Prince had held many responsible offices, as that of Senator from Essex County, Representative from Marblehead, justice of the peace, and notary public.

Sept. 5. — At Louisville, Ky., *Hon. George H. Proffit*, recently Minister to Brazil, and Representative in Congress from Indiana from 1839 to 1843.

Aug. 20. — Killed at the battle of Churubusco, *Capt. Augustus Quarles*, of Southport, Wisconsin, an officer of distinguished merit and bravery. His body was brought home and interred at the expense of the State.

Nov. 27. — At his residence, near Pittsburg, *James Ross, Esq.*, a distinguished citizen of Pennsylvania, in the 86th year of his age. Mr. Ross was a Senator in Congress from 1794 to 1803, and three times candidate of the Federal party for Governor.

Sept. 8. — At the battle of El Molino del Rey, *Brevet-Lieut.-Col. Martin Scott*, of the 5th infantry. He was a native of Bennington, Vt., was educated at West Point, and from that school entered the army some thirty years ago. He has since then seen much hard service, and conducted himself always with great caution, skill, and kindness. In his youth he was famous among the sharpshooters of the Green Mountains, very few of whom could perform feats to be compared with his. He never shot game in the body; but, at whatever height or distance, always struck the head. He would drive a nail into a board part way with a hammer, and then, taking the farthest distance at which his eye could distinctly see it, drive it home with his unerring bullet. He was always much respected and beloved by his townsmen for his amiable and benevolent qualities, associated with the most exact integrity.

Sept. 5. — At the Naval Hospital, Island of Salmadina, of yellow fever, *Passed-Assistant-Surgeon J. Howard Smith*, of Pennsylvania. He was one of the medical officers in charge of the numerous sick, and fell in the discharge of his duty.

Sept. 10. — Near Mexico, *Capt. E. Kirby Smith*, 5th infantry. Captain Smith took a conspicuous part in the actions of the 7th and 8th, in which he was severely wounded, and died two days after. As an officer and man he enjoyed widely the respect and confidence of the community.

Dec. 25. — *Mr. Benjamin Story*, a distinguished financier of New Orleans.

Nov. 17. — *Hon. Benjamin Swift*, of St. Albans, Vt. Mr. Swift represented the northwestern district of Vermont in Congress during two terms, from 1829 to 1833, and subsequently served as Senator in Congress during the full term of six years, ending in 1839.

Sept. 28. — In Northampton, Mass., *Caleb J. Tenney, D. D.*, aged 67, formerly pastor of a church in Wethersfield, Conn., and a graduate of Dartmouth College of the class of 1807.

Sept. 13. — At the storming of Chapultepec, *Major Levi Twiggs*, aged 54. He was born in Richmond County, Ga., on the 21st of May, 1793. He was the sixth son of Major-General John Twiggs, who, at the outset of the Revolutionary war, raised from his private fortune a brigade, which, with his own services, he tendered to the cause of liberty, earning for himself the rank of major-general.

At the declaration of war, in 1812, Levi Twiggs, then just nineteen, was desirous of entering the service, but failing to obtain the sanction of his parents, he continued his studies at the Athens College for some months longer. At length, on learning the news of the capture of the Macedonian frigate by the Constitution, he solicited again his parents' consent, which was now granted. He entered the Marine Corps as second lieutenant, on the 10th November, 1813. He was in the frigate President, commanded by Commodore Decatur, on her last memorable cruise under our flag. By some accident, the senior marine officer did not sail in the President, and that arm of the service was commanded on this occasion by Lieutenant Twiggs, who had attained the grade of first lieutenant, with such skill and gallantry as to elicit the warmest applause of his commander, and to obtain honorable mention in the official despatches. Lieutenant Twiggs's command numbered 56 men, who, it is stated in Mackenzie's "Naval History," discharged during the action 5,000 cartridges, and whose fire was pronounced by Commodore Decatur *incomparable*.

He was afterwards employed in various duties by sea and land, and for a short period was engaged in the Florida war, where he exhibited marked fidelity. During the long period of thirty-four years' service, he never but once asked leave of absence, and then on account of the illness of a member of his family, when he was off duty but a single week.

On the 2d of June, in the year 1847, he sailed for Mexico, having solicited active service. On the 29th he arrived at Vera Cruz. On the 16th of July he left for the interior with General Pierce's brigade, and reached Puebla on the 6th of August, which place he left with Major-General Quitman's division a few days after, and on the 13th of September he fell, at the head of his command, leading them to the assault at the storming of Chapultepec, pierced by a bullet through the heart.

Nov. 18. — At Baton Rouge, La., *Gen. Philemon Thomas*, aged 83, well known as a member of the Louisiana Legislature, member of Congress, &c. The deceased, we believe, was a native of North Carolina, where, during the Revolutionary war, he was engaged in many skirmishes with the British and Tories. He resided some years in Kentucky, and was a member of the Legislature of that State; he afterwards removed to Louisiana, and in 1810-11 headed the insurrection at Baton Rouge which threw off the yoke of Spain from West Florida. He was an upright man and patriotic citizen.

Oct. 11. — At Houston, Texas, *Col. Isaac Van Zant*, formerly Minister from Texas to this government.

Oct. 7. — At Boston, Mass., *Hon. Artemas Ward*, late chief justice of the Court of Common Pleas of Massachusetts, aged 84. He was graduated at Harvard College in 1783; was member of Congress from 1815 to 1819, and in 1821 was appointed chief justice of the Court of Common Pleas, which office he held for nineteen years. As a judge he secured the respect of the bar by his sound learning and his eminent courtesy and kindness. As a man, in all the relations of domestic and social life, he sustained a most exemplary and elevated character.

Nov. 16. — At Vera Cruz, *Lieut.-Col. Samuel Edmiston Watson*, of the Marine Corps, an accomplished officer, and highly esteemed for the excellence of his private character.

Oct. 9. — At Poughkeepsie, N. Y., *George J. White*, aged 58, a gentleman much respected and beloved.

Oct. 5. — In Clarksburg, Montgomery County, Md., *Dr. Horace Willson*, aged 54, a gentleman much beloved in his profession, who had been Senator and Representative in the Legislature of Maryland.

Sept. 10. — At New Orleans, *Hon. Richard Henry Wilde*, aged 58. Mr. Wilde was born in Baltimore, but removed at an early age to Augusta, Ga., in which State he was admitted to the bar. The latter part of his life was spent in New Orleans. He was once Attorney-General of Georgia; and at the time of his death was Professor of Law in the University of Louisiana. He was also distinguished in public life. In 1815, when barely above the constitutional age, he was elected to Congress. At the end of two years he returned to his profession, but he was again a member of Congress in 1825, and from 1827 to 1835.

Mr. Wilde was more generally known as an accomplished scholar. He published several poetical effusions, which gained him credit; and his researches in Italian literature, especially the work on the Love, Madness, and Imprisonment of Tasso, have gained him a high place among men of letters. He died very suddenly of the fever, and his loss was severely felt.

## 1848.

Feb. 23. — At the Capitol, at Washington, the *Honorable John Quincy Adams*, aged 81. John Quincy Adams was born at Braintree, in Massachusetts, on Saturday, July 11, 1767, and was baptized the next day in the Congregational church of the first parish. He was named John Quincy, in consequence of the interesting circumstance that his maternal great-grandfather of that name, who was the owner of Mount Wollaston, and a leading civil and military character of his time, in honor of whom the town of Quincy received its name, was dying at the time of his birth.

In his eleventh year he accompanied his father to France, who was sent by Congress as joint commissioner to the Court of Versailles. While in France he was put to school and instructed in the language of the country, as well as in Latin. After about eighteen months they returned to America in the French frigate *La Sensible*, in company with the Chevalier de la Luzerne, who came out as Minister of France to the United States. They arrived in Boston on the 1st of August, 1779. In November of the same year, his father was again despatched to Europe in a diplomatic character. He took his son out with him. In going to Europe this second time, they embarked in the same French frigate, bound to Brest; but as the ship sprung a leak in a gale of wind, it was necessary to make the first port they could, which was Ferrol, in Spain. They travelled from that place to Paris by land, and arrived there in January, 1780. The son was immediately put to school. In July of that year, Mr. Adams removed to Holland. There his son was first placed in the public city school at Amsterdam, and afterwards in the University at Leyden. In July, 1780, Mr. Francis Dana, who had accompanied John Adams as secretary of the embassy with which he was charged, received the commission of Minister Plenipotentiary to Russia, and took John Quincy Adams, then fourteen years of age, with him as his private secretary. Here the younger Adams remained until October, 1782, when he left Mr. Dana at St. Petersburg, and returned, through Sweden, Den-



mark, Hamburg, and Bremen, to Holland. Upon this journey he employed the whole winter, passing considerable time by the way in Stockholm, Copenhagen, and Hamburg. He reached the Hague in April, 1783, and continued several months in Holland, until his father took him to Paris, where he was at the signing of the treaty of peace, which took place in September of that year, and from that time to May, 1785, he was for the most part with his father in England, Holland, and France.

At his own solicitation, his father permitted him, when eighteen years of age, to return to his native country. Soon after reaching America he entered Harvard University, at an advanced standing, and graduated with distinguished honor, as Bachelor of Arts, in 1787. He then entered the office of the celebrated Theophilus Parsons, at Newburyport, afterwards chief justice of Massachusetts, and after the usual term of three years he entered the profession, and established himself at Boston. He remained in that situation four years, extending his acquaintance with the great principles of law, and also taking part in the public questions which then occupied the attention of his countrymen. In the summer of 1791 he published a series of papers in the "Boston Centinel," under the signature of Publicola, containing remarks upon the first part of Paine's "Rights of Man." They suggested doubts in reference to the favorable issue of the French Revolution, at the time when most other men saw nothing but good in that awakening event. These pieces were at first ascribed to his father. They were reprinted in England.

In May, 1794, he was appointed by Washington, without any intimation of such a design either to him or to his father, Minister Resident to the United Netherlands. From 1794 to 1801 he was in Europe, employed in diplomatic business, and as a public minister in Holland, England, and Prussia. Just as President Washington was retiring from office, he appointed him Minister Plenipotentiary to the Court of Portugal. While on his way to Lisbon he received a new commission, changing his destination to Berlin. He resided in Berlin from November, 1797, to April, 1801; and while there, concluded an important treaty of commerce with Prussia, thus accomplishing the object of his mission. He was then recalled, just before the close of his father's administration, and arrived in Philadelphia in September, 1801. In 1802 he was elected, from the Boston district, a member of the Massachusetts Senate, and was soon after appointed, by the Legislature of that State, a Senator in the Congress of the United States for six years from the 4th of March, 1803. As his views led him to adopt a course disagreeable to the Legislature of the State, he resigned his seat in 1808. In 1809, President Madison nominated him Minister to the Court of Russia. Some time previous to this, however, in 1806, he had been appointed Professor of Rhetoric in Harvard University, at Cambridge, Mass., an office which he filled with much reputation from 1806 to 1809.

While at the Court of Russia, in February, 1811, he was appointed an associate justice of the Supreme Court of the United States, to fill a vacancy occasioned by the death of Judge Cushing, but never took his seat upon the bench. When the proper time came, he was named at the head of five commissioners appointed by President Madison to negotiate a treaty of peace with Great Britain, which was signed at Ghent, in December, 1814. Mr. Adams afterwards, in conjunction with Henry Clay and Albert Gallatin, negotiated a con-

vention of commerce with Great Britain, and was forthwith appointed, by President Madison, Minister to the Court of St. James.

It is a remarkable coincidence, that, as the father took the leading part in negotiating the treaty that terminated the Revolutionary war with Great Britain, and first discharged the office of American Ambassador to London, so the son was at the head of the commission that negotiated the treaty which brought the second war with Great Britain to a close, and sustained the first mission to that country upon the return of peace. After having occupied that post until the close of President Madison's administration, he was at length called home, in 1817, to the head of the Department of State, at the formation of the Cabinet of President Monroe. Mr. Adams's career as a foreign minister terminated at this point. It has never been paralleled, or at all approached, either in the length of time it covered, the number of courts at which he represented his country, or the variety and importance of the services he rendered.

In the Presidential election in 1824, Mr. Adams was one of the candidates. No candidate received a majority of electoral votes. When, on the 9th of February, 1825, the two Houses of Congress met in convention, to open and declare the electoral votes, it was found that Andrew Jackson had 99 votes, John Quincy Adams 84 votes, William H. Crawford 41 votes, and Henry Clay 37 votes. According to the requirements of the Constitution, the Senate then withdrew, and the House remained to ballot for a President. The whole number of States was twenty-four. The votes of thirteen States were necessary for a choice. At the first ballot it was found that Maine, New Hampshire, Massachusetts, Rhode Island, Connecticut, Vermont, New York, Maryland, Ohio, Kentucky, Illinois, Missouri, and Louisiana, thirteen States, had voted for "John Quincy Adams of Massachusetts," and he was accordingly elected President of the United States for four years from the 4th of March, 1825.

At the close of his Presidential term, in 1829, there followed a brief period of repose from public service, and Mr. Adams retired to the family mansion at Quincy, but was elected a member of the House of Representatives from the district in which he lived, at the next election which occurred after his return to it, and took his seat in December, 1831. He retained it by successive elections to the day of his death.

June 25. — At his residence, in Harford County, *Hon. Stevenson Archer*, chief judge of the Court of Appeals in Maryland, universally esteemed for his affability, learning, and integrity.

April 29. — At Washington city, *Chester Ashley*, a Senator of the United States, aged 58. Mr. Ashley was born at Westfield, Mass., June 1, 1790; but was removed in infancy to Hudson, N. Y., where he resided till he reached the age of 27. He then migrated to Illinois, and after practising the law in that State with distinguished success for about two years, he removed to the Territory of Arkansas, and established himself at Little Rock, then a mere landing. He had steadily advanced in influence, and in 1844 was almost unanimously chosen Senator. In the Senate he was chairman of the Judiciary Committee; and his voice, though not often heard in the chamber, was always heard with respect. He was beloved in his domestic circle, and amiable in his private relations.

March. — In New York, *John Jacob Astor*, aged 84. Mr. Astor was born in the village of Waldrop, near the ancient city of Heidelberg, in the Grand-Duchy of Baden, Germany, in July, 1763, of humble parents. He came to this country

as a steerage passenger in a merchant-ship, and landed at Baltimore in March, 1784. He early commenced business as a trader in fur, and when the State of New York was a wilderness, made frequent voyages up the Mohawk to trade with the Indians. As his wealth increased, he enlarged his business, until, by the formation of the American Fur Company, he was a competitor with the great capitalists of Europe, the proprietors of the Northwestern and Canadian Fur Companies. Such was his enterprise that he extended his business to the mouth of the Columbia River, and formed the first fur establishment there, known as Astoria. Several expensive expeditions were fitted out by him, of over-land journeys to the Pacific, some of which were executed by individuals with great suffering. These exploits belong to history, and are faithfully recorded by Washington Irving.

For many years previous to the war of 1812, and subsequently, Mr. Astor was extensively engaged in the Canton trade, and during the war was fortunate in having several of his ships arrive here with valuable cargoes in safety. The profits on these ships were enormous. Mr. Astor made large investments in American stocks, which he purchased during the war with Great Britain, at sixty to seventy cents on the dollar, and which after the peace went up to twenty per cent. above par. His great estate, however, has accumulated more from the purchase of real estate than from any other source.

March 17. — At Austin, Texas, *Hon. Richard Bache*, a Senator in the Texan Legislature from Galveston County.

Jan. 27. — *Hon. George P. Barker*, aged 39, distinguished as a lawyer and politician. He commenced public life as a member of the House of Assembly of New York from the county of Erie, and at a later period as Attorney-General of the State, a post which he filled with the highest honor. "He was a man of learning, of genius, of eloquence, of unsullied honor, and of great and varied ability. His heart was with his fellow-men, and his sympathies with the afflicted."

March 25. — At Boston, Mass., *Col. George Bomford*, chief of the Ordnance Department. Colonel Bomford entered the army as a lieutenant of engineers in 1805, and rendered distinguished services in the late war with Great Britain. He was afterwards instrumental in perfecting the organization of the Ordnance Department, in which important branch of the service he was zealously and usefully engaged until his decease.

Aug. 5. — *Hon. Edward Bradley*, aged 40, a member of Congress from Michigan.

May. — *William Brent, Jr.*, of Alexandria, Va., late Chargé d'Affaires to Buenos Ayres. He was a gentleman of great information, and a devoted friend of the strict-construction school of the Republican party.

Sept. 29. — *Judge Thomas Buchanan*, of Washington County, Md., a jurist of ability.

Aug. 30. — At Dubuque, Iowa, *Mrs. Catherine Butterworth*, at the advanced age of 114 years. She was a native of Kildare, Ireland.

June 6. — In Portland, *Merritt Caldwell*, aged 41, Professor of Metaphysics and Political Economy in Dickinson College, Carlisle, Pa.

Feb. 17. — At Nashville, *Hon. George W. Campbell*. He had in his life filled many important public offices, among which were the following: — Representative in Congress from 1803 to 1809, being the last two years of his service chair-

man of the Committee of Ways and Means; judge of the United States District Court; Minister to Russia; Senator of the United States from 1811 to 1814, and from 1815 to 1818; and Secretary of the United States Treasury Department. He had reached 80 years of age.

April 17. — In Carter County, Tenn., *Gen. William B. Carter*, aged 56. During his life he filled the several offices of State Representative and Senator, President of the Constitutional Convention, and, from 1835 to 1841, Representative in Congress from his native State.

May 25. — In Boston, Mass., *Hon. Jonathan Chapman*, aged 41, a well known and favorite resident of that city, and for several years its mayor. Mr. Chapman was a gentleman of great activity, integrity, and intelligence; and had early gained a position of much consideration and importance.

March 2. — In Baltimore, *Mrs. Hannah Kitty Chase*, aged 93, relict of Judge Samuel Chase, one of the signers of the Declaration of Independence.

April 15. — At Portland, Me., *Hon. Asa Clapp*, aged 86, a successful merchant, and at the time of his death probably the richest man in the State of Maine.

July 18. — At Burlington, N. J., *Nathan W. Cole*, aged 71, an eminent physician and practitioner in that place for fifty years, and highly esteemed.

Feb. 10. — In Raleigh, *Hon. Joseph J. Daniel*, one of the judges of the Supreme Court of North Carolina.

June 5. — At Cedar Creek Hundred, Sussex County, near Milford, Del., *Jacob Deputy*, at the advanced age of 117 years 9 months and 15 days. He was born on the 20th of August, 1730, in the Hundred aforesaid, and there lived as a cultivator of the soil up to the time of his death. He was a colored man.

April 14. — In West Boxford, *Rev. Peter Eaton, D. D.*, aged 83. He graduated at Harvard College in 1787, and was one of the few survivors in that class after the death of Hon. John Quincy Adams. He was ordained, Oct. 7th, 1789, over the church in West Boxford, and for 57 years was in active service as their pastor, and for one year and a half as senior minister. At the time of resigning his official duties into the hands of his colleague, he was the oldest acting clergyman then living in the State of Massachusetts.

July 3. — At Bridgeton, N. J., *Hon. Daniel Elmer*, aged 64, late a judge of the Supreme Court of New Jersey, and a member of the convention for forming the State constitution in 1844.

May 8. — At Buenos Ayres, *George J. Fairfield*, U. S. consul, and only brother of the late Hon. John Fairfield, of Maine.

Dec. 24, 1847. — At Washington, D. C., *Hon. John Fairfield*, Senator from Maine, aged 49. Mr. Fairfield was born at Saco, Me., January 30, 1797, and though not favored with the advantages of a regular education, yet, possessing an ardent love of knowledge and a mind of no ordinary activity, with a strength of purpose which enabled him to overcome obstacles, he succeeded in attaining a distinguished consideration among his fellow-citizens. On arriving at manhood he devoted himself to the study of the law, and soon after his admission obtained a good share of practice in his native town, and was appointed, in 1832, reporter of decisions of the Supreme Judicial Court. In 1835 he was chosen member of Congress, and was reelected for the next succeeding Congress. In 1842 he was chosen Governor of Maine, and was reelected for the next year; but continued in office only until March following, when he was elected to fill a vacancy in the Senate of the United States, occasioned by the

resignation of Mr. Williams. In 1845 he was reelected for the term of four years, but was suddenly taken off in the midst of his usefulness, and in the discharge of his official duties, in consequence of an unsuccessful surgical operation for the relief of a local complaint.

Mr. Fairfield was distinguished for strong sense, sound judgment, and practical views on all subjects to which he had given his attention. He had great steadiness of purpose, and a good share of moral and physical courage in the discharge of his public duties, and was conscientious and sincere in his views of the responsibility belonging to political trusts.

Sept. 22. — At Bluehill, Me., *Rev. Jonathan Fisher*, aged 78, after a successful ministry of nearly fifty years. He was a native of New Braintree, Mass., a graduate of Harvard College of the class of 1792, and was ordained pastor of the Congregational church in Bluehill in 1796.

Jan. 4. — At Belfast, Ireland, *Thomas W. Gilpin*, consul of the United States for that port.

March. — *Thomas H. Hagner*, a native of Maryland, and a son of the present Third Auditor of the United States Treasury. He had been a resident of Florida eight or nine years, and at the time of his death was one of the most widely esteemed and successful practitioners at the bar in Middle Florida.

April 14. — *Hon. Joseph Hall*, a graduate at Harvard University in the class of 1781, and formerly Judge of Probate in Suffolk County, aged 87.

May 15. — Drowned by the swamping of a boat on the bar of Tuspan, *Commander W. S. Harris*, of the United States Navy.

June 16. — At Plymouth, Mass., *Nathan Hayward, M. D.*, in the 85th year of his age, long an active physician in that town.

March 16. — In North Berwick, Me., *William Hobbs, Esq.*, aged 81, formerly for some twelve or fifteen years a member of the Massachusetts Legislature, and also of the Maine Legislature after the separation from Massachusetts. He was also one of the delegates to the convention for framing the constitution of Maine.

March 8. — At Jacksonville, Fa., *Hon. John M. Holley*, a Representative in the 30th Congress from the Seneca and Wayne District, N. Y.

Jan. 16. — At Allentown, Penn., *Hon. John W. Hornbeck*, member of Congress from Lehigh and Bucks District, Penn.

Aug. 28. — At Boston, *Joseph W. Ingraham*, a member of the Board of Education, and distinguished for great exertions in behalf of the primary schools of the city.

July. — In New York city, *William Johnson*. He was born in Middletown, Conn., and graduated at Yale College in 1788. He settled in New York city in the profession of law. In 1806 he published a translation of Azuni's "Maritime Law," accompanied with a Commentary. He was the reporter of the Supreme Court of New York from 1806 to 1823, and of the Court of Chancery of the same State from 1814 to 1823. In 1838 he published a Digest of cases decided in these courts from 1799 to 1836. He was a man of extensive legal learning, and highly esteemed.

Feb. 5. — At his residence in Greensburg, Pa., *Hon. Albert G. Marchand*, from 1839 to 1843 Representative in Congress from the Westmoreland District, Pa.

March. — In Fauquier County, Va., *James M. Marshall*, in the 85th year of his age. He was the son of Col. Thomas Marshall, commander of the 3d Virginia regiment in the War of Independence. The deceased left his books to join the

army in his seventeenth year, and continued in service until the close of the revolutionary war. After the war he adopted the legal profession. He married a daughter of Robert Morris, of Philadelphia. During the presidency of the elder Adams he was commissioned a judge of the United States Circuit Court for the District of Columbia. After a brief service in that office he resigned his commission, and retired to his estate in Frederick County, Va. Here he lived in the quiet pursuits of agriculture and the indulgence of his literary tastes. Subsequently he removed to the County of Fauquier, where he resided until his death. He was the oldest surviving brother of the late Chief Justice Marshall.

Aug. 26. — At Rome, *J. L. Martin*, Chargé d'Affaires of the United States.

July 22. — At his residence, in Williamson County, of typhoid fever, *A. P. Maury, Esq.*, formerly member of Congress.

March. — At Jefferson City, *James H. McDearman*, Auditor of Public Accounts of the State of Missouri, a native of Virginia. He was a man of great affability of manner, of sound practical sense, and of inflexible integrity.

Jan. 12. — At Fort Gibson, *Col. James McKizzick*, Cherokee agent.

May 20. — At Natchez, Miss., *Dr. James A. McPheters*, aged 47, a man of great intelligence and sound judgment. He was highly distinguished in his profession, and beloved for his benevolence and kindness of heart.

March 18. — At Manilla, after a short illness, *Josiah Moore, Esq.*, consul for the Philippine Islands, aged 37.

Jan. 1. — *David P. Page, Esq.*, principal of the State Normal School of New York, aged 37.

July 5. — In Burlington, Vt., after a short illness, *Rev. O. W. B. Peabody*, a gentleman distinguished for a pure life, cultivated mind, and elegant taste.

Jan. 18. — *Rev. John Diedrich Peterson*, aged 91, late pastor of the German Lutheran congregations in the townships of Markham and Vaughan, in Upper Canada. He was born in the city of Bremen, Germany, on the 23d of November, 1756, and was married on the 23d of November, 1791, to the daughter of the late General Van Borck, a nobleman of distinction of Prussia Minden, with whom he lived in great harmony upwards of 56 years. He arrived in America in 1795, took charge of the Lutheran church in the city of Harrisburg, in Pennsylvania, in 1803, from which State he removed to Upper Canada in 1819, being one of the first pioneers, if not the first, to the German church in the wilderness of Markham and Vaughan, where he faithfully and zealously discharged the duties of pastor to his flock for many years, until compelled by age and infirmity to retire from active ministerial labor.

May 18. — Drowned by the swamping of a boat on the bar of Tuspan, *Commander Henry Pinckney*, of the United States Navy.

Feb. 4. — At Philadelphia, *Com. Charles G. Ridgely*, aged 63. He was born in Baltimore, Maryland, on the 2d of July, 1784, and entered the navy on the 17th of October, 1799. He was the first midshipman appointed from the city of Baltimore. He was with Commodore Preble at the battle of Tripoli, and when the expedition was fitting out to endeavour to cut out the American frigate Philadelphia, then lying under the enemy's guns, and volunteers were called for, he was one of the first to offer, but was refused. Still, being most anxious to participate in that lamented expedition, he concealed himself in the boat, but, being discovered, returned to his ship. For his gallant conduct in the Tripolitan war he received a gold medal from Congress. At the time of his

death he had been forty-eight years in the service, and was the seventh on the list of post captains.

Feb. 15. — In Dallas County, Ala., *Hon. Reuben Saffold*, aged 58. Judge Saffold was born in Wilkes County, Ga., Sept. 4th, 1788, and studied the law in Watkinsville, in that State, with Mr. Paine, an eminent lawyer. For a short time he practised in Georgia, and was eminently successful; but in 1813 he removed to Jackson, in Clark County, Ala., the State of Alabama then forming part of the Mississippi Territory. Shortly afterwards he engaged actively in the defence of the frontier against the Indians, and was chosen captain of a company of volunteers which he raised, and was highly distinguished for his gallantry.

About this time he served for several sessions in the Territorial Legislature of Mississippi. After peace was restored, in 1815, he continued the practice of his profession in Clark County, and in 1819 he was one of the convention which framed the State constitution. In December of that year he removed to Dallas County. At the first session of the State Legislature, in 1819, he was chosen one of the circuit judges, thus becoming, *ex officio*, a member of the Supreme Court. In January, 1832, an act was passed to organize a separate Supreme Court, and Judge Saffold was elected one of the three judges; and upon the resignation of C. J. Lipscomb, in 1835, he was chosen chief justice. He voluntarily resigned this office in 1836; but such was the confidence reposed in him, that so late as the summer of 1843, upon the temporary retirement of the late Judge Goldthwaite, the vacant seat was tendered to him by Governor Fitzpatrick; but he felt it his duty to decline.

His powers of study were proverbial; and he never abandoned the most complicated subject without a thorough exposition. In his judicial capacity he was firm and dignified, but not austere. The utmost order prevailed when he presided. He was eminently the friend of young lawyers, who were confident that before him youth and mature age would be equally favored.

Jan. 2. — At Messina, Sicily, *Charles Sherwood*, U. S. consul at that port.

July 30. — At Harrisburg, Pa., *Hon. Francis R. Shunk*, late Governor of Pennsylvania. On account of his protracted illness, he had resigned the office of Governor on the 9th of July.

March 13. — At Lyons, Wayne County, New York, *Ambrose Spencer*, aged 83, late chief justice of the State of New York. He was born December 13th, 1765, in Salisbury, Conn. His father was a mechanic and a farmer, who, although in very moderate circumstances, obtained the means of giving to his two sons, Philip and Ambrose, the best education which the country then afforded. The two sons entered Yale College in the autumn of 1779, and after remaining three years, were removed to Harvard University, where they graduated in July, 1783. The subject of this notice was then but seventeen years and six months old. He devoted himself to the law, and studied for some time with John Canfield, an eminent lawyer of Sharon, Connecticut, and completed his studies with John Bay, at Claverack, and with Ezekiel Gilbert, at Hudson, in New York. Before he was nineteen he married Laura Canfield, a daughter of his preceptor, and made Hudson his residence. In 1786 he was appointed clerk of that city; and in 1793 he was elected a member of the Assembly of the State from Columbia County. In 1795 he was elected to the Senate for three years, and in 1798 was reelected for four years. In 1796 he was appointed

assistant attorney-general for the counties of Columbia and Rensselaer. In February, 1802, he was appointed attorney-general of the State; and in 1804 he received the appointment of a justice of the Supreme Court, of which he was made chief justice in 1819.

Though a laborious and eminent lawyer, Judge Spencer never failed to take the most lively interest in politics. Originally a Federalist, he joined the Republicans in early life, and was the warm friend of De Witt Clinton, near relatives of whom he twice married, after the death of his first wife. He separated from Mr. Clinton on the question of the war in 1812, at which time his support was of such importance to Mr. Madison (it is stated), that any office in the gift of the administration was at his command.

For many years Judge Spencer exercised a very powerful influence in the affairs of the State of New York. In 1812 he united heartily with Daniel D. Tompkins, then Governor, in the memorable struggle that preceded the declaration of war against Britain, to prevent the charter of the six million bank. In 1823 Judge Spencer retired from the bench, and resumed for a while the practice of his profession, and was subsequently employed in various public duties, particularly that of Mayor of the city of Albany, and, for one term, that of Representative in Congress. He was chiefly occupied, however, with his agricultural pursuits in the vicinity of Albany, enjoying the esteem and regard of his friends and acquaintance, until the year 1839, when he removed to the village of Lyons, having previously lost by death his last wife. In that sequestered village he has since lived, in the calm enjoyment of a green old age, and in the grateful recollections of a well-spent life. Possessing a vigorous constitution, improved by great regularity and temperance, he scarcely knew disease until his last fatal sickness. His wonderful health, at his advanced age, and the firmness and elasticity of his step, have for years been the admiration of all who knew him.

He represented the city of Albany in the convention to amend the constitution which sat there in 1821, and took a strong interest in its proceedings, and in 1844 he presided at the Whig National Convention held at Baltimore, and his last public act was a letter to his fellow-citizens, opposing the provision of the new constitution of 1846, by which judges were made elective by the people.

March 30. — At Gibraltar, *Horatio Sprague*, U. S. consul at that place.

March 18. — In New York, *Mr. John Stearns*, aged 78, a graduate of Yale College of the class of 1789, a respected physician, and the first president of the Academy of Medicine in the State of New York.

Aug. 2. — At his residence in Chambersburg, Penn., *Hon. Alexander Thompson*, aged about 63, from 1824 to 1826 a Representative in Congress.

May 15. — At Richmond, Va., *Richard H. Toler*, aged 49, for 23 years editor of the "Lynchburg Virginian," a distinguished writer and a most exemplary citizen. He was a representative of the county of Campbell in the House of Delegates from 1838 until his removal to Richmond in 1846.

June 18. — At Natchez, *Mr. Henry Tooley*, aged 75, for many years a magistrate and mayor of the city, and for some years president of the Board of County Police, for sixty years a consistent member of the Methodist Episcopal Church, and for some fifteen years past a preacher in that church. He was the first grand-master of the Masons in Mississippi. A native of Tennessee, he enjoyed the best educational privileges which that State afforded at that early day, which were, of course, not great; but by his great industry as a student, at



the day of his death he had acquired an extensive reputation as a learned man. He had obtained a knowledge of the Hebrew and other Eastern, as well as of some of the present European, languages, and had made some considerable progress in translating the Bible from the Hebrew text. He was fond of the study of astronomy, and was for many years a contributor of meteorological information to the American Almanac. With a constitution naturally weak, by a systematic and perfectly temperate life, he was enabled to extend his days beyond the period usually allotted to man. He claimed to be, as he really was, not a "son," but the "father of temperance," in Natchez.

Aug. 28. — At Winchester, Va., *Judge Henry St. George Tucker*, aged 69. Judge Tucker filled many of the most important posts in Virginia with ability. As a Representative in Congress, as Professor of Law in the University of Virginia, as the author of valuable treatises on law, as President of the Court of Appeals, as a fine scholar, and as an accomplished and amiable gentleman and most agreeable companion, he won numerous friends who will lament his death, the result of a painful and protracted disease.

May 12. — *Captain Samuel Upham*, father of Senator Upham, aged 85. He was a Revolutionary soldier, and one of the earliest settlers of Montpelier.

March 29. — At Albany, *Col. Nicholas Van Rensselaer*, aged 93. He was with Montgomery at the storming of Quebec, was at Ticonderoga, Fort Miller, Fort Ann, and at Bemis's Heights (in two engagements at the latter), and was deputed to convey the intelligence of the surrender of Burgoyne to Albany.

Aug. 2. — At Boston, *Thomas Walley, Esq.*, in the 80th year of his age, the son of the late Thomas Walley, Esq., and fourth in descent from the Rev. Thomas Walley of Barnstable, one of the Non-conformist exiles of the time of Charles the Second.

May 29. — At Salem, Mass., *Hon. Joshua H. Ward*, aged 39, a judge of the Massachusetts Court of Common Pleas, and a graduate of Harvard University of the class of 1829. He was prompt, learned, of great professional talents and eminence, impartial, affable, humane, sagacious, discriminating, and just. With parties, witnesses, counsel, and juries he was universally popular. He accomplished much business in a little time, and it was so well done as not to require revision.

Jan. 25. — At St. Angel, eight miles from Mexico, *Major Edward Webster*, aged 27, of the Massachusetts regiment of volunteers.

May 24. — At Savannah, Ga., *Capt. George L. Welcker*, of the United States Corps of Engineers.

July 7. — At his residence on College Hill, Schenectady, *Robert H. Wendell, Esq.*, aged 88.

March 11. — In Roxbury, Mass., *Hon. Henry Wheaton*. He was born in Providence, in November, 1785. He entered Brown University in 1798, and graduated in 1802. He studied law in the office of Nathaniel Searle, and in 1804, while yet a student of law, he went to France, where he resided a year and a half, engaged in the study of the French language and literature; and on his return to Rhode Island he was admitted to the bar. In 1812 he removed to New York, and became the editor of the "National Advocate." In New York he was appointed judge of the Marine Court, continuing in the practice of his profession as a chamber counsellor. He was also elected a member of the Legislature. He was also a prominent member of the constitutional convention of 1820.

In 1815 he was appointed reporter of the Supreme Court of the United States. He held the appointment till 1827, and published twelve volumes of reports.

In 1827 he was appointed by John Quincy Adams *Chargé d'Affaires* to Copenhagen. In 1836 he was transferred to Berlin, and the year after was raised to the rank of Minister Plenipotentiary. In Prussia his services were long and eminent. He stood confessedly at the head of American diplomacy, and was regarded more than any other man as the representative of the American government. His duties were by no means confined to the Court to which he was accredited, but extended to every country of Europe where American interests were to be served or American character to be sustained. His counsel was continually sought by the other American legations, and indeed few matters of high importance between the American ministers and any of the European courts were perfected without the benefit of his advice. He acquired, in a remarkable degree, the confidence of the sovereigns and ministers with whom he came in contact.

On his return home, he accepted the chair of Professor of International Law in Harvard University, and was about to commence the duties of the appointment when he was attacked with the illness which resulted in his death.

Mr. Wheaton's principal works are a "Treatise upon the Law of Captures," "Elements of International Law," "Sketch of the Law of Nations from the Peace of Westphalia," an "Essay on the Right of Search," twelve volumes of "Reports," and a "Digest of the Reports," the "Life of William Pinckney," and a "History of the Northmen." The latter work was written when he was at Copenhagen. A new edition, greatly enlarged, was nearly ready for the press when he died. To these may be added the "Progress and Prospects of Germany," a discourse delivered before the Phi Beta Kappa Society of Brown University, and a number of orations and discourses before public bodies, memoirs to learned societies, and a very voluminous correspondence with the Department of State. His despatches are written upon a variety of subjects, and touch upon almost every thing relating to our intercourse with foreign nations since 1827. Perhaps no American minister has ever been distinguished by so many despatches upon such a variety of topics, and of such uniform interest and value.

In private life Mr. Wheaton was simple and unostentatious. His disposition was retiring; no one would suspect, from his manners, that he was a man of distinguished reputation, though no one would doubt, from his conversation, that he was a man of great and varied acquirements.

Jan. 25. — At Portland, Me., *Rev. Jason Whitman*, of Lexington, Mass., aged 49. Mr. Whitman graduated at Harvard University in 1825; was for several years settled over the Unitarian society in Saco, from which he removed to Boston to become Secretary of the American Unitarian Association, in which employment he continued for several years. But, desirous of returning to the duties of the pastoral office, he accepted a call from the Second Unitarian Society in Portland, on its first organization in 1835, and continued there for ten years. At the close of this term he accepted a call from the ancient parish in Lexington, and was installed in 1845. In this connection he continued until his death.

July 9. — In Belfast, Me., *Hon. John Wilson*, aged 71. He graduated at Harvard University in 1799, studied law, and became eminent in his profession. He was a Representative in Congress from Maine, then a part of Massachusetts, from 1813 to 1815, and from 1817 to 1819.

## CHRONICLE OF EVENTS.

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1847.

Aug. 27. — The King of Sardinia protests against Austrian intervention among the independent States of Italy.

Aug. 31. — The steamer Great Britain arrives in Liverpool, having been floated out of Dundrum Bay.

Sept. 1. — The Grand Duke of Tuscany has created a Council of State with new powers.

Sept. 1. — The Duke of Lucca, after a disturbance in the city, promises his people a civic guard, and the other reforms now advancing in Tuscany.

Sept. 2. — The Duke of Lucca retires to Massa, and revokes his proclamation of yesterday. He is followed by a deputation entreating him to return. It is proposed to sequester his property. On the 3d he returns and grants the demands of his people.

Sept. 2. — Agitation at Leghorn. The Grand Duke of Tuscany, at the request of a deputation of the Livornese, consents to the immediate enrolment of a national militia.

Sept. 2. — A simultaneous outbreak at Messina and Reggio. It is suppressed, and twenty-five young men engaged in the Messina riot are shot.

Sept. 5. — A grand reform banquet takes place in Strasburg.

Sept. 7. — By a note to General Santa Anna of the 6th September, General Scott notified him that the armistice concluded between the American and Mexican armies, August 24th, would be at an end, unless satisfactory apologies were given for infractions thereof by twelve o'clock, meridian, of this day. The note of Santa Anna of the same date, in reply, though not received by General Scott until the 7th, being unsatisfactory, hostilities were recommenced.

Sept. 8. — A reception of the Archbishop at Milan ends in a patriotic demonstration. The tumult is renewed on the 9th, and the city is put under military occupation.

Sept. 8. — The Americans under General Worth at early dawn assaulted the Mexican fortifications on El Molino del Rey, defended by over 14,000 men under General Santa Anna in person, and by heavy batteries, and after a severe struggle of two hours, carried them. The total loss of the Mexicans, in wounded and prisoners, was 3,000, that of the Americans, 787; 58 officers and 729 rank and file.

Sept. 12-14. — Early on the morning of the 12th, a heavy bombardment and cannonade were commenced by the Americans upon Chapultepec, — a natural and isolated mound of great elevation, strongly fortified at its base, on its acclivities

and heights, and defended by a numerous garrison,—and continued until night-fall. On the morning of the 13th, the firing was renewed until 8 o'clock, when the assault was made from the west and southeast sides by troops commanded by Generals Pillow and Quitman, over intervening and formidable obstacles, under the hottest fire of cannon and musketry, and the hill was triumphantly carried. The enemy retreated hastily to the city, pressed closely by Generals Quitman and Worth, the latter by the San Cosme aqueduct, and the former along that of Belen. These two lines of attack were strongly supported by detachments sent by order of General Scott. General Quitman, having captured an intervening battery of two guns, carried the Belen gate, and steadily maintained his position within the walls of the city and under the guns of the citadel. General Worth, likewise, with consummate skill, carried the opposing batteries, and took possession of the San Cosme Garita within the city. Preparations were made during the night for a renewal of the attack, but at 4 o'clock on the morning of the 14th a deputation of the *ayuntamiento* informed General Scott that the government and army had fled the city, and demanded terms of capitulation. The city being virtually in the possession of the Americans, the demand was refused, and at seven o'clock that morning the American flag was floating from the palace. During the day and night the Americans were fired upon in the streets and from houses, but this was soon stopped by the vigorous measures of General Scott. During the three days the loss of the Americans was, killed, 130, including 10 officers; wounded, 703, including 68 officers; missing, 29 rank and file; total, 862. The loss of the Mexicans was far greater, and their army was almost completely demoralized.

Sept. 12. — Coletti, the Prime Minister of Greece, dies.

Sept. 13 to Oct. 12th. — Colonel Childs, with 400 men, and 1,800 sick in the hospitals, was besieged for 28 days at Puebla. By unremitting vigilance, and by the untiring personal efforts of every officer and man, though in the heart of a hostile city and surrounded by overwhelming numbers, the attacks were repulsed and the siege raised. The loss of the Americans was, killed, 18 rank and file; wounded, 3 officers, and 47 rank and file; total, 68.

Sept. 15. — The Duke of Lucca again leaves his capital, having appointed a regency.

Sept. 17. — A contribution of \$ 150,000, payable in four weekly instalments, was imposed by General Scott upon the city of Mexico, in consideration of the protection given by the American army to the public property of the city and state.

Sept. 22. — M. Guizot is appointed President of the Council in France.

Sept. 26. — The valuable library of the Royal Society of Icelandic Literature in Copenhagen was destroyed by fire. The loss is peculiarly unfortunate, as the library contained more than two thousand unpublished MSS., and a numerous collection of single copies of ancient Icelandic works.

Sept. 27. — The new asteroid, *Iris*, discovered by Mr. J. R. Hind, of London, Aug. 13, 1847, was first seen at the National Observatory, Washington.

Oct 1. — A violent tornado unroofed the steam factory in Portsmouth, N. H. The weight of the roof removed was not less than 70,000 pounds. One portion of the roof fell within 100 feet of the factory, and another within 200 feet. The rafters coming down endwise were buried four feet in the earth. A third section was carried 300 feet, and struck a brick barn in the second story, unroofed it, and

demolished that story. This section, weighing 30,000 pounds, did not sink more than 50 feet in moving the 300 feet.

Oct. 1. — A telescopic comet was discovered by a lady of Nantucket, Mass., in the constellation Cepheus.

Oct. 2. — The Pope issues a decree instituting a Senate of 100, 64 of whom are to be proprietors, 32 lawyers, merchants, &c., and 4 to represent the ecclesiastical body.

Oct. 5. — The first election of officers in Liberia, under the new constitution, was held, and Governor Roberts was chosen the first President of the Republic, and Nathaniel Branden, Vice-President. The motto of the republic is, "The love of liberty brought us here."

Oct. 9. — By order of the King of Sweden, the Governor of the Island of St. Bartholomew published the decree, "That all bondage and slavery shall for ever henceforth cease to exist in the Island and its dependencies." A fair and just compensation had been made to masters for those slaves that were duly reported and presented.

Oct. 9. — The city of Huamantla was captured by General Joseph Lane with a detachment of regulars, and a body of Mexicans commanded by Santa Anna was defeated. American loss, 13 killed and 11 wounded; Mexican loss, about 150.

Oct. 10. — The extensive mills at Richmond, Va., known as the "Gallego Flouring Mills," and other warehouses and buildings, were destroyed by fire. The whole loss is estimated at \$168,000.

Oct. 10. — The Duchy of Lucca passes to the Grand Duke of Tuscany by sale, he paying the Duke of Lucca an annuity of about \$215,000, until the Duke succeeds to the Duchy of Parma, on the death of Maria Louisa, the present Duchess, at which time Lucca was to be ceded to Tuscany, according to the last settlement of the Italian States.

Oct. 11. — A destructive freshet on the Juniata River, Pa. Bridges were carried away, houses were washed from their foundations, and great damage was done to the public works. The freshet was felt about two weeks later in Ohio.

Oct. 15. — The powder-house at Nashville, Tenn., was struck by lightning and blown up. Many lives were lost, and 100 houses were destroyed or injured. There were between six and seven hundred kegs of powder in the building.

Oct. 16. — The session of the Helvetic Diet is opened.

Oct. 17. — The Bavarian Chamber of Representatives recommends freedom of the press and of correspondence, by an almost unanimous vote.

Oct. 19. — The corner-stone of a monument to the memory of George Washington was laid in New York, with appropriate ceremonies, under the auspices and direction of the Washington Monument Association of the city of New York, on the anniversary of the surrender of Lord Cornwallis to Washington at Yorktown in 1781.

Oct. 19. — A unanimous vote abolishing lotteries is passed by the Chamber of Deputies in Bavaria. It is announced that the new code will be ready for the session of 1849, and will provide for public trials and oral examination of witnesses.

Oct. 20. — The port of Guayamas was bombarded and captured by the American frigate Congress and sloop-of-war Portsmouth. Over 500 shot and shells were thrown into the town. One English resident was killed, and some houses were burned.

Oct. 23. — Great commercial distress has prevailed in England during the last month.

Oct. 24. — A reform dinner at Chartres, at which the objects of these meetings are declared to be, "*recommencer ce que l'on a manqué en juillet 1830.*"

Oct. 25. — In consequence of the money-pressure, the British ministry recommends to the Bank of England to enlarge their discounts and advances, charging interest not less than 8 per cent. per annum. The Bank acts accordingly.

Nov. 4. — The Federal Diet of Switzerland take their final resolve against the Sonderbund. On the same day the troops of Uri enter the Canton of Tessino, and a skirmish ensues, in which two persons are killed.

Nov. 10. — By orders from the post-office department of Nov. 5, 1847, as a retaliatory measure upon the course of the British government, and as a measure of self-protection, on and after this day no mail matter destined for any of the British possessions on this continent will be permitted to leave the United States, unless the United States postage thereon is previously fully paid. By orders of the postmaster-generals of Canada and of New Brunswick of the dates respectively of October 25th and October 30th, no unpaid letters or newspapers will be received into the Provinces after November 16th, 1847.

Nov. 11. — General Dufour, commanding the forces of the Diet, begins operations against Fribourg. On the 14th, Fribourg surrenders.

Nov. 18. — The British Parliament meets.

Nov. 19. — The steamer *Talisman*, from Pittsburg to St. Louis, suffered a collision with the steamer *Tempest*, and over one hundred deck passengers were lost. Five or six cabin passengers are supposed to have jumped overboard and been drowned.

Nov. 20. — The corner-stone of the reservoir, a part of the Boston water-works, was laid, with appropriate ceremonies. The foundation of the reservoir covers an area of 40,000 feet.

Nov. 21. — The steamer *Phoenix*, when within fifteen miles of Sheboygan, upon Lake Michigan, and six miles from shore, was found to be on fire, and before assistance could reach her, nearly two hundred and forty persons perished from the fire or by drowning, mostly emigrant passengers from Holland.

Nov. 22 - 24. — The Swiss federal army reach the neighbourhood of Lucerne. (23.) Col. Liegler's column crosses the River Reuss, and takes the fort of Honan by assault. At the village of Roth,  $1\frac{1}{2}$  leagues from Lucerne, they are opposed, but are victorious. (24.) General Dufour enters the city without resistance.

Nov. 25. — The leading members of the French Reform Committee issue a manifesto setting forth its objects. They may be summed up in the intention to procure for all Frenchmen who pay taxes the right to vote.

Nov. 25. — This day was held as a day of public thanksgiving and prayer in thirteen States of the Union.

Nov. 29. — At the Presbyterian Mission, Wallah Wallah Valley, Oregon, the missionary, Dr. Whiteman, and thirteen others, were killed by the Cayuse Indians, and sixty-one taken prisoners, and the houses of the missionaries and their neighbours burned. The prisoners were subsequently released by the praiseworthy efforts of Peter Sken Ogden, Esq., chief factor of the Hudson's Bay Company. Upon the receipt of the news at Oregon, troops were raised, and three battles were fought with the Indians on the 8th and 12th of January and 18th of February,

in which the Indians were completely routed, and their villages and provisions destroyed.

Dec. — The boilers of the steamer A. N. Johnson, on her trip from Cincinnati to Wheeling, exploded, and destroyed the boat. Of the 190 persons on board the boat, 110 are known to be saved.

Dec. — The Emperor of Austria announces his purpose to increase the army in Venetian Lombardy.

Dec. — The lectures of M. Michelet at Paris are stopped by the Minister of Public Instruction.

Dec. 15. — A demonstration at Naples (said to be peaceable) in favor of Pius IX. and reform, is fired upon by order of government, and a number of persons killed and wounded. This is followed by arrests.

Dec. 16. — A convention concerning Ferrara is announced as concluded between the Pope and Austria. The *status quo* is restored, the question of right not being raised.

Dec. 17. — Maria Louisa, Archduchess of Parma, and widow of Napoleon, dies at her capital.

Dec. 19. — A motion is passed by the Central Congregation of Lombardy to memorialize the Emperor of Austria on the subject of reform in the Lombardo-Venetian kingdom. The governor of Milan stated that the viceroy was preparing reforms.

Dec. 20. — H. B. M. steamship Avenger was lost near Bizerta, in Africa, and the officers and crew (270), with the exception of a lieutenant and three men, were drowned.

Dec. 20. — The British Parliament (the extraordinary session) adjourns to Feb. 3d, having passed the bill for the suppression of crime and outrage in Ireland.

Dec. 20–25. — A severe freshet did great injury in the interior of the States of Mississippi and Alabama. The water at Aberdeen, Miss., was seventeen inches higher than it had ever been known before. Damages are estimated at from \$30,000 to \$50,000.

Dec. 21. — The magistrates and people of Parma petition their new Duke, Charles Louis of Bourbon, for a redress of grievances, but he replies that he shall make no change. Parma is occupied by Austrian soldiers, who are entering Lombardy in large numbers.

Dec. 22. — Abd-el-Kader surrenders to General Lamoricière.

Dec. 23. — The Austrian troops evacuate the town of Ferrara, still holding the citadel.

Dec. 25. — Finn Magnussen, the Iceland philosopher, dies at Copenhagen, aged 65.

Dec. 26. — Dudley Ryder, Earl of Harrowby, dies at Sandon Hall, aged 85.

Dec. 28. — Dr. Hampden is elected Bishop of Hereford, after a violent opposition.

Dec. 28. — The King of the French opens the session of the Chambers in person, after a serious illness. He promises reduced taxation on salt and postage, bills to facilitate commerce and improve the condition of the working classes; and notices the prevalence of the agitation that "hostile and blind passions foment"; hereby referring to the reform banquets. He was warmly greeted.

December 31. — Madame Adelaide, sister of Louis Philippe, dies, aged 71. She leaves a very large fortune.

Dec. 31. — The several States of Mexico occupied by our arms were assessed for the year, to support the military occupation of the Republic by the army of the United States, the quadruple of the direct taxes paid by those States to their federal government in 1843 and 1844. Certain transit duties and monopolies and national lotteries in Mexico were abolished by the same order. The amount assessed was \$ 2,995,966.

## 1848.

Jan. 1. — The Milanese combine to abandon the use of tobacco, in order to diminish the Austrian revenue. The soldiers continue smoking, and a collision ensues; the number of killed and wounded being about two hundred. It is followed by conciliatory proclamations on the part of the city government.

Jan. 1. — The State of Maryland resumed the payment of interest upon her debt, at the Chesapeake Bank, Baltimore. The funds to meet the interest on the sterling debt had been previously remitted to London.

Jan. 1. — Girard College, Philadelphia, was opened with appropriate ceremonies.

Jan. 4. — Sanguinary disorders take place at Messina.

Jan. 8. — The boilers of the steamer *Blue Ridge*, upon the Ohio, exploded in a severe snow-storm. The boat was lost, and thirty of the seventy passengers perished. The boilers of the boat had been in use nine years.

Jan. 8, 9. — A collision at Pavia between the students and the Austrian garrison. Ten civilians are killed and forty wounded.

Jan. 9. — Miss Caroline L. Herschel, member of the Royal Astronomical Society of London, dies at Hanover.

Jan. 10. — The King of Sardinia calls out an additional force of 25,000 men.

Jan. 10. — M. Mesnard, a former political friend of the French ministry, states in the Chamber that they are ignorant of public opinion, and that reform is inevitable.

Jan. 11. — At Franconia, N. H., the spirit indicated 39° below zero; making it the coldest day on record at that place. The mercury congealed in the bulb of the thermometer, and did not thaw until brought to the fire.

Jan. 12. — A rebellion breaks out in Palermo, and is followed by similar disturbances in Trapani, Catania, Syracuse, and Mellazza. After great carnage in Palermo, the people are successful.

Jan. 13-19. — A series of encounters between the soldiers and people at Palermo. The city is bombarded from the fort. The bombardment is protested against by the foreign consuls. A provisional government is appointed, and negotiations opened. Concessions are made by the government at Naples, but are not deemed satisfactory by the Palermitans.

Jan. 15. — The title to the Pea Patch Island, which has been so long in dispute between the State of Delaware and the United States, was finally settled by the Hon. John Sergeant, to whom, as a referee, the case had been submitted, awarding the title to be in the United States.

Jan. 19. — Isaac D'Israeli, author of the "Curiosities of Literature," dies, aged 82.

Jan. 20. — Christian VIII., King of Denmark, dies, in the 62d year of his age and the 9th of his reign.

Jan. 20. — The King of Denmark offers a constitution to his States.



Jan. 21. — A debate arises in the French Chamber of Deputies, on the alleged sale of offices by the Ministry. M. Guizot defended his course on the ground that it was an abuse, legalized by time, and that ministers of the present day had received "a very mingled inheritance" from the past.

Jan. 27. — At a meeting of the Whig members of Congress, it was agreed that it was expedient to hold a Whig National Convention for the purpose of nominating candidates for the offices of President and Vice-President of the United States. At an adjourned meeting, Feb. 30th, it was agreed that it should be held in Independence Hall, Philadelphia.

Jan. 28. — The King of the Two Sicilies signs a constitution; on the 29th he rides out, and is received with enthusiasm.

Jan. 29. — Orders are sent to Palermo to withdraw the troops.

Jan. 29. — The members of the Mississippi Legislature, without distinction of party, opposed to the repudiation of the State bonds sold on account of the Planters' Bank, met pursuant to a call, and, by a vote of 19 senators and 70 representatives to 1 senator and 4 representatives, resolved that some financial plan should be devised for the payment of the bonds and the redemption of the faith of the State.

Feb. — The Grand Duke of Tuscany gives his people a liberal constitution.

Feb. — Martial law is proclaimed in Lombardy.

Feb. — The King of the Two Sicilies offers to the Sicilian insurgents the constitution of 1812, with certain conditions, and grants an amnesty, excepting only *émigrés* of 1821.

Feb. 8. — A debate on the reform banquets arises in the Chamber of Deputies. M. Duchatel declares that government does not intend to grant or promise any reform, and that the reform banquets will in future be prohibited. M. Odilon Barrot reminded the ministers that "the moment was dangerous," and that a revolution might be expected. Sixty members threatened to resign their seats, if the phrase about "blind passions" were retained in the address.

Feb. 8. — The King of Sardinia issues a proclamation containing the bases of a constitution.

Feb. 9-12. — Lola Montez is the cause of serious riots at Munich, the king strongly supporting her. She leaves the city, returns, and is again expelled.

Feb. 11. — William Howley, Archbishop of Canterbury, dies, aged 83.

Feb. 11. — The address on the French King's speech is carried in the Chamber of Deputies as reported by the ministers, after a debate of nineteen days.

Feb. 13. — Upwards of 100 deputies resolve to attend the reform banquet of the 12th arrondissement. Five peers are said to have accepted invitations.

Feb. 15. — Troubles occur throughout Lombardy. Government issues a manifesto bidding Italians remember the fate of the Poles.

Feb. 18. — By a general order of this date, Major-General Scott turned over the command of the army in Mexico to Major-General Butler, who immediately entered upon his duties.

Feb. 21. — *Monday.* The French Chamber of Deputies are occupied with a bill concerning provincial banks. At five P. M., more than 200 deputies enter, calling on ministers to explain the rumor of their intention to suppress the reform banquet of the morrow. The ministers avow their purpose, and the sitting closes in tumult. The garrison of Paris is increased. The proposed banquet is abandoned.

Feb. 22. — *Tuesday.* From early morning numerous bodies of the disaffected

parade the streets, but no blood is shed till afternoon, when some persons are wounded on both sides in an attempt to keep the mob in check. The Deputies debate the bank bill till five P. M., when M. Odilon Barrot presents articles of impeachment against M. Guizot, signed by 53 members. M. Guizot smiles as he reads them. The President abruptly closes the sitting, without reading the papers, which he promises to submit to the bureaux on Thursday.

Feb. 23. — Immense numbers of insurgents disturb the streets, barricades are erected, and blood is shed, the soldiers vacillate, and the third legion of the National Guard fraternize with the people. Many lives are lost. At three P. M., the king summons M. Molé to form a ministry, which is announced to the Deputies. The attempt fails; and during the afternoon and evening Paris is controlled by an excited, but while successful not sanguinary, mob. Barricades are multiplied. Late at night the king sends for M. Thiers, to name a ministry of reformers.

Feb. 24. — *Thursday*. At eleven, A. M., a conciliatory proclamation is published, signed by Thiers, Odilon Barrot, Duvergier, De Hauranne, and Lamoricière. But it is unavailing. At one P. M., the king having signed his abdication in favor of the Count of Paris, leaves the Tuileries, and escapes from Paris in haste. At two P. M., Odilon Barrot issues a proclamation of the abdication. At one P. M., the Deputies meet, and the Duchess of Orleans, with her two sons, waits upon them. The regency of the Duchess is announced by M. Dupin, but, though advocated by Odilon Barrot, it is rejected; the hall is forcibly entered by the mob, the Duchess and her children escape by a side-door, and the sitting ends in uproar. The cry is, *Vive la République*, and a provisional government is named. The fighting and the uproar of the mob continue through the day. The palace of the Tuileries, and other conspicuous buildings, are sacked. The provisional government sits at the Hotel de Ville, in a terrible tumult of the mob, which is only kept from outrage by the efforts of M. Lamartine.

Feb. 25. — The city and forts are in possession of the people; the soldiers of the line, excepting the municipal guard, tacitly joining the revolt. The wounded in the hospitals are 428.

Feb. 26. — M. Lamartine, of the provisional government, proclaims "The French Republic, Liberty, Equality, Fraternity."

Feb. 27. — *Sunday*. Is a high holiday. In the evening the theatres are crowded.

Feb. 24. — The water was let upon the wheel of the Bay State Mill at 8 o'clock. This is the first application in Lawrence of the water power of the Merrimack to machinery.

Feb. 22. — Messina expels the Neapolitan garrison from the city and all the forts but the citadel.

Feb. 29. — At Carlsruhe, in Baden, the Grand Duke grants his people freedom of the press, a burgher guard, trial by jury, and right of public meeting.

Feb. 29. — Neufchatel declares herself an independent republic.

March 1. — The Elector of Hesse-Cassel grants the demands of his people; but not until after a severe riot.

March 2. — The King of Wurtemberg grants liberty of the press.

March. — The King of Prussia promises freedom of the press.

March. — The Grand Duke of Saxe-Weimar promises reforms.

March. — King Leopold of Belgium gives his ministers leave to make any proposition they may deem advantageous to the country.

March 4. — The Duke of Nassau concedes the right of the people to arm under their own leaders, liberty of the press, a German parliament, right of public meeting, public and oral trial by jury, religious liberty, and a new electoral law.

March 4-6. — A violent movement at Munich. The people make the usual demands, which are granted.

March 10. — The Duke of Saxe-Meiningen has pronounced in a liberal manner.

March 13. — A tumult at Vienna, with much bloodshed and destruction of property. Prince Metternich resigns and flees. On the next day, after some vacillation, the Emperor grants freedom of the press and a national guard, and promises to submit a constitution to the representatives of the people.

March 13. — An outbreak at Berlin. (14.) The King, in reply to a deputation, says that he is not alarmed, and that the new constitution should be raised slowly. (15.) Barricades, and a set fight between citizens and students and the military. (16.) The King goes to Potsdam. (18.) The King issues a decree demanding a federal union of Germany, and granting liberty of the press and upholding very liberal measures. The same day another and very bloody collision takes place, and the contest is continued on the 19th. The number of killed and wounded among the soldiers is 274. A new ministry is formed. (20.) The King pardons all political offences. Similar agitations occur throughout Prussia.

March 14. — The King of Holland proposes to the Legislative Chamber to make all reforms they deem for the best, and promises his assent.

March. — The Duchies of Schleswig and Holstein demand separation from Denmark. The king grants freedom of the press, and freedom of meetings and association.

March 17. — The King of Hanover grants freedom of the press, amnesty for political offences, the convention and public declaration of the States.

March 18. — The Emperor of Austria publishes, by proclamation at Milan, abolition of the censorship, and a convention of the States. The people demand more, and are refused. The city revolts, and until the 23d an active and successful contest is maintained with the soldiery. On the 23d the Austrians retire toward Mantua, and at the same time Charles Albert's army enters the city. The Austrians are pursued and routed. The whole of Lombardy, including Venice and Trieste, and the southern half of Italian Tyrol, are in active rebellion.

March 19. — Parma revolts, with barricades and slaughter. (20.) The Duke appoints a regency and flees. He is brought back, and a provisional government elected. It proclaims the incorporation of the Duchy with Piedmont.

March 20. — Modena rises, and the Duke is imprisoned.

March 20. — Charles Albert's army advances to Pavia.

March 22. — The King of Bavaria abdicates in favor of his son, Maximilian II.

March 23. — The King of Sardinia declares war against Austria.

March 24. — The troops of the Grand Duke of Tuscany are in possession of Modena, as a precaution against danger therefrom.

March 26. — The Duchies of Schleswig and Holstein revolt from Denmark, and join the "great German nation." The King of Prussia promises his protection. The King of Prussia grants a commission to reorganize the Grand Duchy of Posen.

March 30. — Great riots in Posen.

March 31. — The Congress of Deputies meets at Frankfort. Mittermaier is chosen President.

April 1. — Charles Albert is in possession of Lodi.

April 1. — Parma has set free its Duke, after a promise to join the Italian league against Austria, and to grant a liberal constitution.

April 3. — The Prussian Diet meets at Berlin.

April 8. — Charles Albert manœuvres on the line from Parma to Piacenza; while Radetsky, with the Austrian forces, holds Mantua, Verona, and Peschiera.

April 9. — Modena again appoints a provisional government. Parma also declares itself independent of its Duke.

April 10. — The great Chartist demonstration in London goes off peaceably. The six points which the Chartists wish to carry are, — 1. Universal suffrage. 2. Vote by ballot. 3. No property qualification. 4. Annual Parliaments. 5. Payment of members. And, 6. Equal electoral districts.

April 10. — The Holsteiners retire on Ban; the Danes come on and drive all before them. Two German regiments were almost annihilated.

April 12. — Five extensive fires broke out in Pittsburg, Pa., this morning, and were raging at the same time. Forty-three buildings were consumed.

April 13. — The Parliament of Sicily declares that island independent. Messina is bombarded by the Neapolitan fleet.

April 14. — Peschiera is invested, and Charles Albert advances on Verona.

April 16. — New commotions in Paris. Dissensions in the provisional government are rumored. A large meeting concerning the "organization of labor" is held, and troops are called out for public security.

April 17. — The new constitution of Holland appears.

April 17. — Charles Albert has forced the Austrian line in three places between Mantua and Verona.

April 23. — The Danish lines are forced in three places, and the Danes are driven out of Schleswig.

April 23, 24. — Election of the National Assembly in France.

April 25. — An unsuccessful rebellion at Cracow.

April 28. — The Danes retire northward, from Schleswig, in good order.

April 28. — Charles Albert has advanced to Valleggio.

April 29. — Bloody disorders in Posen.

May 1. — A riot at Rome, and a new ministry.

May 2. — The Prussians enter Jutland near the town of Kolding.

May 4. — The French National Assembly meets.

May 4. — Charles Albert has crossed the Adige at Pontone.

May 6. — Charles Albert makes a great movement forward, with brilliant success; but ultimately retires to his first position.

May 7. — A bloody riot at Madrid, ending in nothing.

May 10. — A destructive fire occurred in Detroit, Mich. The amount of loss was about \$200,000. "The number of dwellings burnt was 107, with about the same number of stores, groceries, shops, and barns, covering a fraction over ten acres of ground, thickly settled, and built up mostly of small wooden buildings, generally on leased land."

May 12. — Lord Ashburton dies, aged 74.

May 14. — The Deputies, at Naples, disagree with the King, and declare

themselves *en permanence*. The National Guard raise barricades. (15) The King conquers the city, after very bloody fighting and great excesses committed by the Lazaroni. 1,440 bodies are buried next day from the Strada di Toledo, which was the scene of the conflict.

May 15. — A very large organized procession of workmen, after parading the streets of Paris, enter the Chamber of the Assembly almost unopposed. A general row ensues, MM. Barbès, Blanqui, and Louis Blanc siding with the mob. M. Hubert pronounces the Assembly dissolved, and a new provisional government, including Albert, Sobrier, Caussidière, Blanqui, etc., are named. The mob then move to the Hotel de Ville, where they are surrounded by the National Guard, and the leaders arrested.

May 16. — Explanations in the Assembly. M. Caussidière is accused, and is said to offer resignations of his seat and the prefecture of police. General Cavaignac is appointed Minister of War.

May 18. — The German Parliament meets at Frankfort.

May 18. — Charles Albert begins a regular attack on Peschiera.

May 18. — The Emperor of Austria, in consequence of the disturbances, leaves Vienna for Inspruck.

May 20. — The Ban of Croatia (which province has been in revolt against Austria) summons a Diet of the "Croatian-Sclavonic nation."

May 22. — The Constitutional Assembly of Prussia meets.

May 22. — General Nugent joins Radetsky, and the two armies enter Verona.

May 23, 24. — The Austrian army unsuccessfully attacks Vicenza.

May 22-26. — The Democratic National Convention met at Baltimore, and by a two thirds vote nominated, upon the fourth ballot, Lewis Cass of Michigan for President, and William O. Butler of Kentucky for Vice-President. Andrew Stevenson of Virginia presided over the convention. The State of New York did not vote in the nomination.

May 23. — The small steamer Halifax, running between Waterville and Hallowell on the Kennebec, burst her boiler while passing through the lock at the Augusta dam. Twenty persons were on board, five of whom were instantly killed.

May 25. — Major-General Scott was received by the municipal authorities of New York city. The military turned out in full numbers, and were reviewed by General Scott. There was also a large civic procession.

May 26. — The large stables of Messrs. Kipp and Brown, omnibus proprietors in New York city, were burned, with many of their stages and 130 horses. Their loss was partly made up by contributions.

May 26. — John Mitchell is convicted, at Dublin, of treason. The disturbances in Ireland continue.

May 27. — An engagement takes place between the Danes and Hanoverians near Dappeln, to the advantage of the former.

May 29. — The Austrians attack the united Italian army at Goito, on the Mincio, and after a day's fighting are defeated and driven to Mantua.

May 29. — Count Leo Thun, and the chief men at Prague, propose a provisional government for Bohemia, and crave the Emperor's consent.

May 30. — Peschiera surrenders to Charles Albert.

May 30. — The treaty of peace between the United States and Mexico, signed at Guadalupe Hidalgo, Feb. 2, 1848, with the modifications made in Washing-

ton by the Senate, having passed the Mexican Congress, was ratified at Queretaro by the American Commissioners, Ambrose H. Sevier and Nathan Clifford, and the Mexican Minister of Relations, Senor Don Luis de la Rosa. It was proclaimed in the United States, July 4th.

June 1. — General Paredes pronounced his *plan* of revolt, signed by Padre Jarauta and others; and on the 15th June entered the city of Guanajuato with 400 men, and was joined by the garrison.

June. — The Dutch attack the Balinese pirates in their strong hold at Djagara, and are repulsed with a loss reported at 242 in killed alone.

June. — An angry debate arises in the French Assembly on the proposed impeachment of M. Louis Blanc, which is negatived.

June 5. — An attempt is made by the Hanoverians and the Prussians, under General Wrangel, to drive the Danes from their entrenchments at Dappeln. The Danes are driven from their post, but afterwards retake it.

June 7, 8. — The Whig National Convention met at Independence Hall, Philadelphia, and on the second day, and on the fourth ballot, nominated Major-General Zachary Taylor of Louisiana for President, and on the second ballot nominated Hon. Millard Fillmore of New York for Vice-President.

June 9. — The vote in Lombardy on the proposed union with Piedmont is 561,002 for immediate union, to 681 for postponing the question till the termination of the war. Charles Albert's head-quarters are at Peschiera; the Austrians', at Mantua.

June 10. — Marshal Radetsky leaves Verona, and appears before Vicenza, which surrenders after a bombardment of 18 hours. Gen. Durando capitulates with his whole force. On the 12th, Radetsky returns to Verona.

June 12. — The last detachment of American troops left the city of Mexico.

June 12. — Much disturbance in the French Assembly on occasion of M. Louis Napoleon Bonaparte's proposed exclusion.

June 12-15. — An obstinate insurrection at Prague against the governor. The city is bombarded, and after some days order is reestablished.

June 15. — Padua surrenders to the Austrians, and Gen. Pepe retires to Venice.

June 16. — The mob capture and pillage the arsenal at Berlin; the movement is suppressed by the Landwehr, who at once demand certain privileges.

June 18. — The army under Lieut. Edwardes, in Northern India, after nine hours' fighting, routs the forces of Moolraj of Moultan.

June 20. — The steamer Dawn was wrecked in the Lachine Rapids in the River St. Lawrence. She was the first regular steamer that plied over the rapids, and had made but few trips.

June 22, 23. — A convention of those members of the Democratic party who were dissatisfied with the nominations of the Democratic National Convention was held at Utica, N. Y. Martin Van Buren of New York was nominated for President, and Henry Dodge of Wisconsin for Vice-President. Mr. Dodge subsequently (June 29) declined.

June 22-26. — The disbanding of the operatives at the national workshops at Paris begins by draughting off 3,000 to the provinces. These men after leaving the city return in large bodies, and parade the streets. One section is addressed by M. Marie, but with no effect. Much uneasiness prevails among the workmen at large. (23.) During the night formidable barricades have been raised, and the houses loopholed in many districts. An organized rebellion is in

rapid progress. The National Guards are twice repulsed in attacking the barricade at the Porte St. Denis; and all the troops are employed throughout the day in a fatal warfare against strong positions. In the afternoon all executive authority is confided to Gen. Cavaignac by the executive committee. (24.) In the morning the city is quieter, but during the night nearly half of Paris has been skilfully fortified by the insurgents. (24.) At noon Gen. Cavaignac bombards the barricades and houses, artillery being ineffectual. In the evening the Assembly declares itself *en permanence*, makes Gen. Cavaignac military dictator, and declares Paris in a state of siege. The troops gain many points, but very slowly. (25.) The fight at the Pantheon and the Clos St. Lazare is most bloody; but the insurrection is this day quelled on the left bank of the Seine. The Archbishop of Paris falls in an attempt to calm the insurgents. (26.) The fighting continues along the Canal St. Martin, in the Clos St. Lazare, and at the Faubourg St. Antoine, which is reduced by shells and red-hot balls. The insurrection is subdued, after incredible slaughter on both sides and great barbarity. Seven generals and four members of the Assembly are killed or mortally wounded. The number taken to the hospitals is, killed, 162; wounded, 1,983. The total of killed and wounded is estimated at from three to four thousand.

June 25. — Palma Nuova surrenders to the Austrians.

June 26. — The Grand Duke of Tuscany opens the Parliament with fraternal assurances to Italy.

June 18-28. — A revolution in Wallachia, ending in the flight of the prince, and the establishment of a provisional government. Russia sends troops thither, by consent of Turkey.

June 29. — The German Parliament elects a "Provisional Paramount Head of the Empire," with the title of Lord Lieutenant. The Archduke John of Austria was elected by a vote of 136 against 85 for all others.

July 1. — Lieut. Edwardes again successfully engages Moolraj, under the walls of Moultan.

July. — A test vote was taken in the House of Representatives upon the power of the general government, under the Constitution, to appropriate money to open and improve harbours, and remove obstructions from navigable rivers, when necessary for the protection and facility of foreign and domestic commerce. The vote stood 112 yeas, 53 nays.

July 1. — The Austrians attack Rivoli, and are repulsed by the Duke of Genoa. Charles Albert removes his head-quarters from Valleggio to Roverbella.

July 4. — M. Chateaubriand dies at Paris, aged 80.

July 4. — The corner-stone of the Washington Monument was laid at Washington, with appropriate ceremonies and amid a vast concourse of people. The Hon. Robert C. Winthrop, Speaker of the House of Representatives, delivered the oration.

July 6. — The diplomatic corps in the city of Mexico presented their congratulations at the National Palace to Señor J. J. de Herrera upon his accession to the Presidency of the Republic. The American Envoy, Mr. Clifford, addressed the President in the name of the corps. The United States, England, France, Russia, and Spain were represented.

July 9. — Francis R. Shunk, Governor of Pennsylvania, from ill health, resigned his office. By the terms of the constitution, the Speaker of the Senate, William F. Johnston, will act as Governor until the 3d Monday in January, 1849.

July 10. — A truce has been agreed upon by Denmark and the German Confederation, and a provisional government of five is for the time to rule Schleswig-Holstein.

July 10. — The Sicilian Parliament elects the Duke of Genoa, son of the King of Sardinia, as King of Sicily.

July 12. — The Archduke John, Regent of the Germanic Empire, is installed at Frankfort. On the 15th he names certain of his ministers.

July 18. — The troops of Bustamante defeat Paredes at Guanajuato, and take possession of the city. Padre Jarauta is taken prisoner and shot forthwith.

July 21. — The Sardinian army has moved its head-quarters to Marmirolo.

July 27. — The Compromise Bill, which was called up in the Senate on the 22d July, by Mr. Clayton, from the special committee to whom was referred the question of the government of the new Territory, was debated with much warmth until this day, and passed by a vote of 33 to 22. The vote was as follows :—

Yeas. — Messrs. Atchison, Atherton, Benton, Berrien, Borland, Breese, Bright, Butler, Calhoun, Clayton, Davis of Miss., Dickinson, Douglass, Downs, Foote, Hannegan, Houston, Hunter, Johnson of Md., Johnson of La., Johnson of Ga., King, Lewis, Mangum, Mason, Phelps, Rusk, Sebastian, Spruance, Sturgeon, Turney, Westcott, and Yulee. — 33.

Nays. — Messrs. Allen, Badger, Baldwin, Bell, Bradbury, Clark, Corwin, Davis of Mass., Dayton, Dix, Dodge, Felch, Fitzgerald, Greene, Hale, Hamlin, Metcalfe, Miller, Niles, Underwood, Upham, and Walker. — 22.

Absent. — Messrs. Cameron, Pearce, and Webster.

July 22–27. — The Sardinian army is driven, after a series of engagements at Rivoli, at Volta, and at other points, from the whole country between the Adige and Mincio. Mantua is relieved and Peschiera reinvested.

July 25. — The royal assent is given (in England) to a bill suspending the Habeas Corpus act in Ireland, the two former coercive measures, known as the "Crime and Outrage Act," and the "Seditious Speaking Act," not having proved sufficiently powerful.

July 29. — The Senate Compromise Bill was laid on the table in the House by a vote of 112 to 97, and a motion to reconsider was lost by a more decided vote.

July 29. — The last plank of the suspension foot-bridge over the Niagara Falls was laid, and the engineer, Mr. Ellet, drove over and back in a buggy, and subsequently in a carriage with two horses, weighing in all over a ton and a half. 500 feet of the bridge are without railing on either side. The flooring is 220 feet high, 762 feet long, and 8 feet wide.

Aug 1. — Between 8 and 9 o'clock A. M., the Mexican flag was hoisted upon the palace at Vera Cruz; and the city was surrendered to the Mexican authorities by General P. F. Smith, who subsequently embarked on board the Alabama for New Orleans.

Aug. 2–13. — The Oregon Territorial Bill passed the House by a vote of 129 to 71. It passed the Senate, August 5th, with the *Missouri Compromise* amendment. August 11th, the House non-concurred in the Senate amendments, the vote on the Missouri Compromise being, yeas, 82; nays, 121. On the morning of the 13th, the Senate receded from the amendment by which the Missouri Compromise was inserted by the following vote :—

Yeas. — Messrs. Allen, Baldwin, Benton, Bradbury, Breese, Bright, Cameron,



Clark, Corwin, Davis of Mass., Dayton, Dickinson, Dix, Dodge, Douglass, Felch, Fitzgerald, Greene, Hale, Hamlin, Hannegan, Houston, Miller, Niles, Phelps, Spruance, Upham, Walker, Webster. — 29.

Nays. — Messrs. Atchison, Badger, Bell, Berrien, Borland, Butler, Calhoun, Davis of Miss., Foote, Hunter, Johnson of Maryland, Johnson of Ga., Johnson of La., Lewis, Mangum, Mason, Metcalfe, Pearce, Rusk, Sebastian, Turney, Underwood, Westcott, Yulee. — 25.

Aug. 4. — Capital punishment (except in cases of martial law) is abolished by the Prussian Assembly, by a vote of 294 to 37. On the same day it is abolished by the German Parliament at Frankfort, by a vote of 288 to 146.

Aug. 4. — Milan capitulates to the Austrians, and the Sardinian army retreats to Tessino.

Aug. 5. — Mr. Smith O'Brien is arrested at Thurles; and the Irish rebellion, so far as it is an armed national movement, after a few trifling encounters, is at an end. Lord Hardinge commands the large British forces in Ireland.

Aug. 5. — Radetsky advances to Cremona, to Pizzighetone, to Lodi; Charles Albert being in full retreat. The total loss of the Austrian army from July 23d to the close of the campaign is officially stated at 2,701. The loss of the Sardinian army was as follows: — killed or died of amputations, 2,000; wounded, 1,500; missing, 500; sick of the fever, 12,000; total *hors de combat*, 16,000.

Aug. 8. — The Austrians, who had recently entered Bologna, are expelled by the people.

Aug. 9, 10. — The Free Soil Convention met at Buffalo. Hon. Charles Francis Adams of Massachusetts was elected President of the Convention. Martin Van Buren of New York was nominated for the Presidency, and Charles Francis Adams of Massachusetts, by acclamation, for the Vice-Presidency. Sixteen States were represented by delegates in the convention.

Aug. 12. — The Emperor of Austria returns to Vienna.

Aug. 12. — The steamer *Edward Bates* on the Mississippi River collapsed two of the flues of her larboard boiler. Of the passengers and crew, 28 were killed.

Aug. 14. — The first session of the 30th Congress adjourned at 12 o'clock, M.

Aug. 17. — A destructive fire in Albany commenced in the heart of the city, and swept toward and along the river for the space of half a mile. The fire lasted five hours, and in that time 600 buildings were burned, besides several steamboats, and canal-boats and barges. The area burned over is (not including the pier and basin, with an area of 13 acres) 24 acres. The value of the property consumed is rated as high as \$3,000,000. The amount of \$546,200 was insured by companies and agencies in Albany. The fire was checked by blowing up buildings in its path, and by a fortunate shower.

Aug. 18. — Venice has declared herself an independent republic.

Aug. 24. — The American ship *Ocean Monarch*, which had just left Liverpool, is burnt in the Irish Channel, a few miles from Great Ormshead. More than 170 lives are lost.

Aug. 26. — The French Assembly vote to prosecute MM. Louis Blanc and Causidière for complicity in the insurrection of May 15. These gentlemen instantly escape.

## MAGNETIC TELEGRAPH.

### *Statement of the Lines of Magnetic Telegraph in Operation or in Progress on September 1st, 1848.*

THE Lines in operation were as follows:—

1. From Boston to New York, *via* Worcester, Springfield, in Mass., Hartford, New Haven, Bridgeport, Stamford, in Conn., White Plains, and Harlem, in N. Y., under one company, distance 240 miles.
  2. From New York to Washington, *via* Jersey City, New Brunswick, Princeton, Trenton, in N. J., Philadelphia, in Pa., Wilmington, in Del., Havre de Grace, and Baltimore, in Md., under one company, distance 240 miles.
  3. From Washington to New Orleans, *via* Richmond, Petersburg, Va., Raleigh, Fayetteville, N. C., Cheraw, Camden, Columbia, Charleston, S. C., Augusta, Savannah, Macon, Columbus, Ga., Montgomery, and Mobile, Ala., under one company, distance 1,716 miles.
  4. From New York to Buffalo, *via* Carmel, Poughkeepsie, Hudson, Troy, Albany, Schenectady, Little Falls, Utica, Rome, Syracuse, Auburn, Geneva, Canandaigua, and Rochester, under one company, distance 509 miles.
  5. From Buffalo to Milwaukee, Wis., *via* Fredonia, in N. Y., Erie, in Pa., Painesville, Cleveland, Milan, Sandusky City, Toledo, in Ohio, Detroit, Ypsilanti, Ann Arbor, Jackson, Albion, Marshall, Battle Creek, Kalamazoo, Niles, South Bend, Michigan City, in Mich., Chicago, Ill., Southport, and Racine, in Wisconsin, under one company, distance 812 miles.
  6. From Troy to Montreal, C. E., *via* Bennington, Manchester, Rutland, Vt., Whitehall, N. Y., Orwell, Middlebury, Vergennes, Burlington, and St. Albans, Vt., under one company; to St. Johns and Montreal under another company; distances as follows:—from Troy to Canada line 228 miles; thence to Montreal 50 miles; total 278 miles.
  7. From Worcester, Mass., *via* Providence, R. I., Taunton, Fall River, to New Bedford, Mass., under one company, distance 97 miles.
  8. From Worcester, Mass., *via* Norwich, to New London, Conn., under one company, distance 74 miles.
  9. From Boston, *via* Salem, to Newburyport, under one company, distance 34 miles.
  10. From Boston, *via* Dover, N. H., to Portland, Me., under one company, distance 110 miles.
  11. From Binghampton, *via* Owego, to Ithaca, in N. Y., under one company, distance 48 miles.
  12. From Auburn, *via* Ithaca, to Elmira, in N. Y., under one company, distance 75 miles.
  13. From Syracuse to Oswego, in N. Y., under one company, distance 36 miles.
  14. From Buffalo, *via* Lockport, to Queenstown, in Canada, under one company, 48 miles, thence *via* St. Catherine's, Toronto, Port Hope, Coburg, Belleville, Kingston, Brockville, Prescott, to Montreal, 48 miles under one company in the U. S.
  15. From Philadelphia to Pittsburg, *via* Lancaster, Harrisburg, Chambersburg, Pa., and Wheeling, Va., distance 309 miles.
  16. From Pittsburg, Pa., *via* Washington, Pa., Wheeling, Va., Zanesville, Columbus, and Dayton, Oh., to Cincinnati, distance 310 miles.
  17. From Cincinnati, *via* Louisville, Ky., Vincennes, Ind., to St. Louis, distance 410 miles.
  18. From Pittsburg, Pa., *via* Washington, Pa., Wheeling, Va., Marietta, Oh., Athens, Pomroy, Gallipolis, Portsmouth, Maysville, Paris, Lexington, Frankfort, Louisville, Ky., Bardstown, Glasgow, Nashville, Tenn., to Columbia, Tenn., distance 690 miles.
- [This is part of the Great Western Line to New Orleans.]

19. From Maysville, *via* Ripley, to Cincinnati, distance 60 miles.
  20. From Columbia, Tenn., to Memphis, distance 205 miles.
  21. From Philadelphia, *via* Pottsville, to Reading, distance 98 miles.
  22. From Wilmington, Del., to Trenton, distance 50 miles.
  23. From Baltimore, Md., *via* York, Pa., to Harrisburg, distance 72 miles.
  24. From York, Pa., to Lancaster, distance 22 miles.
  25. From Harrisburg, Pa., to Reading, distance 51 miles.
  26. From Columbus, Ohio, to Chillicothe, distance 45 miles.
  27. From New York, on Long Island, Offing Line, 98 miles.
- Total length of lines of Telegraph, 6,679 miles.

There are several lines in the Western States, amounting to several hundred miles, of which the organization will be completed in the course of the year 1848.

A line is under construction, to be completed in January, 1849, from Fredonia, in N. Y., *via* Ellicottville, Angelica, Hornellsville, Bath, Hammondsport, Jefferson, Ithaca, Owego, Montrose, Carbondale, Port Jarvis, Goshen, Newburg, West Point, Peekskill, Sing Sing, White Plains, to the city of New York, a distance of 500 miles, making a continuous line from New York city to Milwaukee.

A line is also under construction from Bennington, *via* Pittsfield and Litchfield, to connect with the New York and Boston line at New Haven, forming a continuous line from Bath, New York, and Boston, to Montreal. This will be at work in the fall of 1848.

A line will likewise be completed during the same period, from Portland, *via* Brunswick, Bath, Thomaston, Belfast, Bangor, Calais, Me., St. Stephen's, N. B., to St. John's, and to be extended by Fort Cumberland, on the head of the Bay of Fundy, to Halifax, N. S., early in 1849.

The extension of the Southwestern Line from Columbia, Tenn., *via* Natchez, Miss., to New Orleans, La., is well advanced, and will be completed, probably, in the fall of 1848, as is most of the connecting section already, and the eastern extremity, from Wheeling, *via* Cumberland, to Baltimore, forming one interior and one Atlantic line from the latter city to New Orleans.

A line from Troy to Whitehall was also in a state of great forwardness on the 1st of September, to be in operation early thereafter.

Several of the lines named, although, with the whole system, but in their infancy, have already paid dividends exceeding those of ordinary stock, while some have been almost entirely reconstructed from the proceeds of their earnings.

We subjoin the rates of charge from Boston to New Orleans.

*Tariff of Charges from Boston to New Orleans on first 10 words, and each additional word, not counting the address or signature of the parties.*

| From Boston to       | Price. | Each additional word. | From Boston to    | Price.  | Each additional word. |
|----------------------|--------|-----------------------|-------------------|---------|-----------------------|
| Framingham, Mass.    | 25cts. | 2 cts.                | Alexandria, Va.   | \$ 1.10 | 9 cts.                |
| Worcester, "         | 25     | 2                     | Fredericksburg, " | 1.20    | 10                    |
| Warren, "            | 25     | 2                     | Richmond, "       | 1.25    | 10                    |
| Springfield, "       | 25     | 2                     | Petersburg, "     | 1.30    | 11                    |
| Hartford, Conn.      | 25     | 2                     | Raleigh, N. C.    | 1.50    | 12                    |
| New Haven, "         | 25     | 2                     | Fayetteville, "   | 1.60    | 12                    |
| Bridgeport, "        | 25     | 2                     | Cheraw, S. C.     | 1.70    | 13                    |
| Stamford, "          | 25     | 2                     | Camden, "         | 1.80    | 13                    |
| New York, N. Y.      | 50     | 3                     | Columbia, "       | 1.85    | 13                    |
| New Brunswick, N. J. | 60     | 4                     | Charleston, "     | 1.95    | 14                    |
| Princeton, "         | 65     | 5                     | Augusta, Ga.      | 1.95    | 14                    |
| Trenton, "           | 70     | 5                     | Savannah, "       | 2.05    | 15                    |
| Philadelphia, Pa.    | 75     | 5                     | Macon, "          | 2.05    | 15                    |
| Wilmington, Del.     | 85     | 6                     | Columbus, "       | 2.15    | 16                    |
| Havre de Grace, Md.  | 95     | 6                     | Montgomery, Ala.  | 2.20    | 17                    |
| Baltimore, "         | \$1.00 | 7                     | Mobile, "         | 2.35    | 18                    |
| Washington, D. C.    | 1.00   | 8                     | New Orleans, "    | 2.50    | 18                    |
| Georgetown, "        | 1.10   | 9                     |                   |         |                       |

## A GENERAL INDEX

*To the Ten Volumes of the American Almanac, for the Years  
1840 - 1849.*

As the numbers of the volumes are not inserted on the title-pages of the Almanac, it must be observed that the different numbers of the volumes correspond to the different years as follows : —

|            |             |              |             |            |             |              |               |             |            |
|------------|-------------|--------------|-------------|------------|-------------|--------------|---------------|-------------|------------|
| <b>XI.</b> | <b>XII.</b> | <b>XIII.</b> | <b>XIV.</b> | <b>XV.</b> | <b>XVI.</b> | <b>XVII.</b> | <b>XVIII.</b> | <b>XIX.</b> | <b>XX.</b> |
| 1840,      | 1841,       | 1842,        | 1843,       | 1844,      | 1845,       | 1846,        | 1847,         | 1848,       | 1849.      |

The Index embraces such matters as are not common to all the volumes of the Almanac; but such matters as are found in all, or nearly all, the volumes, viz. the Astronomical Information, the Register of the various Officers of the Government of the United States and of the Individual States, the Annual Tables relating to the Commerce and Navigation of the United States, the Tabular Views of Colleges, the Chronicle of Events, &c., are not particularly specified in this Index.

Each volume is furnished with its own Index.

**\*\* A full Index of the *Obituary Notices* follows this General Index of other matters.**

| Yols.<br>Years,                                  | XI.<br>1840, | XII.<br>1841, | XIII.<br>1842, | XIV.<br>1843, | XV.<br>1844,                                      | XVI.<br>1845, | XVII.<br>1846, | XVIII.<br>1847, | XIX.<br>1848, | XX.<br>1849, |
|--|--------------|---------------|----------------|---------------|---|---------------|----------------|-----------------|---------------|--------------|
|  |              |               |                | Vol. Page.    |   |               |                |                 |               | Vol. Page.   |
| Acts and Bills passed and defeated in Congress,  |              |               |                | xv. 147       | Bank of the State of Missouri,                    |               |                |                 |               | xl. 272      |
| Africa, Population of,                           |              |               |                | xii. 265      | Bankruptcy, Results in Connecticut,               |               |                |                 |               | xvi. 220     |
| " "  |              |               |                | xlii. 271     | Bankrupt Law,                                     |               |                |                 |               | xiv. 163     |
| " Sovereigns of,                                 |              |               |                | xii. 268      | Banks in the U. S. in 1840,                       |               |                |                 |               | xii. 134     |
| " "  |              |               |                | xlii. 272     | Banks in Rhode Island,                            |               |                |                 |               | xviii. 230   |
| Age and Longevity, Comparative Tables of,        |              |               |                | xvii. 157     | Banks in the United States, 1846,                 |               |                |                 |               | xix. 154     |
| Agricultural Statistics,                         |              |               |                | xiv. 154      | Banks of Massachusetts,                           |               |                |                 |               | xv. 216      |
| " " of the States, xlii. 123                     |              |               |                |               | " "   |               |                |                 |               | xviii. 226   |
| Agriculture, Influence of, on Climate, xvii. 87  |              |               |                |               | " "   |               |                |                 |               | xix. 231     |
| Alabama, Legislative Enactments in, xi. 253      |              |               |                |               | " of New Hampshire,                               |               |                |                 |               | xx. 229      |
| Amendments, see <i>Constitutions</i> .           |              |               |                |               | Banks, Suspension of Specie Payments by, in 1839, |               |                |                 |               | xii. 137     |
| American Colonial trade with G. B., 1697 - 1776, |              |               |                | xi. 136       | Bills of Exchange (Protested), Damages on,        |               |                |                 |               | xv. 145      |
| American Writers, List of,                       |              |               |                | xi. 67        | Births, Marriages, and Deaths in Massachusetts,   |               |                |                 |               | xvii. 162    |
| Amputations, Mortality of,                       |              |               |                | xii. 79       | Blind, Deaf, and Dumb Persons in the U. S.,       |               |                |                 |               | xiv. 169     |
| Apportionment of 28th Congress, -                |              |               |                | xv. 109       | Boston, Census of, in 1845,                       |               |                |                 |               | xviii. 193   |
| " " "  |              |               |                | xvi. 97       | " Charities of,                                   |               |                |                 |               | xvii. 168    |
| Arkansas, Sheriffs and Clerks of,                |              |               |                | xvi. 266      | " Debt of,  |               |                |                 |               | xviii. 226   |
| Asia, Population of,                             |              |               |                | xii. 265      | " Finances of, 1845,                              |               |                |                 |               | xviii. 224   |
| " "  |              |               |                | xlii. 271     | " " "   |               |                |                 |               | xvii. 211    |
| " Sovereigns of,                                 |              |               |                | xii. 267      | Boundary, Northeastern, (of the U. S.)            |               |                |                 |               | xi. 85       |
| " "  |              |               |                | xlii. 272     | Boussingault's Rural Economy,                     |               |                |                 |               | xvii. 87     |
| Baltimore, Public Schools of,                    |              |               |                | xv. 250       | British and American Trade,                       |               |                |                 |               | xv. 302      |
| " Inspections for 1842,                          |              |               |                | xv. 251       | " Corn Laws, 1842,                                |               |                |                 |               | xiv. 294     |

| Vols.<br>Years,  | XI.<br>1840, | XII.<br>1841, | XIII.<br>1842, | XIV.<br>1843, | XV.<br>1844,  | XVI.<br>1845, | XVII.<br>1846, | XVIII.<br>1847, | XIX.<br>1848, | XX.<br>1849. |
|--|--------------|---------------|----------------|---------------|---|---------------|----------------|-----------------|---------------|--------------|
| Vol. Page.   |              |               |                |               | Vol. Page.  |               |                |                 |               |              |
| British Customs Bill in 1847,                            |              |               |                | xviii. 318    | Congressional Districts, see Vol. XV.                           |               |                |                 |               |              |
| “ West Indies,   |              |               |                | xiv. 281      | “   | “             | of Georgia,    | xvi. 255        |               |              |
| Brown University, Library of,                            |              |               |                | xix. 237      | “   | “             | of Md.,        | xvi. 241        |               |              |
| Cabinet, U. S., 1841 - 45,                               |              |               |                | xvi. 91       | “   | “             | of Miss.,      | xvii. 271       |               |              |
| Cambridge (Eng.), University at,                         |              |               |                | xi. 291       | “   | “             | of N. J.,      | xvi. 229        |               |              |
| Canada East, Statistics of,                              |              |               |                | xvii. 303     | “   | “             | of Ohio,       | xvii. 231       |               |              |
| Canal and River Navigation in Great Britain,             |              |               |                | xi. 290       | “   | “             | of Tenn.,      | xvi. 270        |               |              |
| Canal, Chesapeake and Ohio,                              |              |               |                | xi. 238       | Congress, Sessions and Members of,                              |               |                |                 |               |              |
| Canals and Railroads in the U. S.,                       |              |               |                | xii. 160      | 1789 - 1843,  |               |                |                 |               |              |
| Census of Boston in 1845,                                |              |               |                | xviii. 193    | Congress, 28th, Apportionment of,                               |               |                |                 |               |              |
| “ 1840 (for the U. S.),                                  |              |               |                | xiv. 136      | Connecticut, Statistics of,                                     |               |                |                 |               |              |
| “ “ (see Vol. XIII. under                                |              |               |                |               | Constitutions of the States, Outlines                           |               |                |                 |               |              |
| the several States),                                     |              |               |                | xiii. 266     | of, see Vol. XIX.   |               |                |                 |               |              |
| Census of 1840, Mistakes in,                             |              |               |                | xvi. 154      | Constitution of Florida,  |               |                |                 |               |              |
| “ “ Pennsylvania,  |              |               |                | xv. 239       | “ Geo., Amendment of,   |               |                |                 |               |              |
| “ Great Britain, 1841,                                   |              |               |                | xiv. 292      | “ Illinois,   |               |                |                 |               |              |
| “ Michigan in 1845,                                      |              |               |                | xviii. 298    | “ Iowa,   |               |                |                 |               |              |
| “ Mississippi in 1845,                                   |              |               |                | xviii. 271    | “ La., Amendments of,   |               |                |                 |               |              |
| “ Missouri in 1844,                                      |              |               |                | xvii. 291     | “ Louisiana,  |               |                |                 |               |              |
| “ New York in 1845,                                      |              |               |                | xviii. 238    | “ Mass., Amendment of,  |               |                |                 |               |              |
| “ Wisconsin in 1846,                                     |              |               |                | xviii. 307    | “ New Jersey,   |               |                |                 |               |              |
| Central America,   |              |               |                | xi. 281       | “ Texas,  |               |                |                 |               |              |
| Change in Expense of Living,                             |              |               |                | xi. 100       | “ Wisconsin,  |               |                |                 |               |              |
| Charities of Boston,                                     |              |               |                | xvii. 163     | Copyright, International,                                       |               |                |                 |               |              |
| Chesapeake and Ohio Canal,                               |              |               |                | xi. 238       | “ Product of,   |               |                |                 |               |              |
| China, Statistics of,                                    |              |               |                | xii. 266      | Corn Laws, British, 1842,                                       |               |                |                 |               |              |
| Cities, Commercial Statistics of,                        |              |               |                | xv. 199       | Cost of Government,   |               |                |                 |               |              |
| “ in U. S., Comparative Statistics of,                   |              |               |                | xx. 223       | Cotton Prints,  |               |                |                 |               |              |
| City Governments, Finances of,                           |              |               |                | xv. 201       | Courts of Mississippi,  |               |                |                 |               |              |
| Clergy, see <i>Great Britain</i> .                       |              |               |                |               | Crime, Statistics of, in Mass.,                                 |               |                |                 |               |              |
| Climate, Influence of Agriculture upon,                  |              |               |                | xvii. 87      | “ “ “ New York,   |               |                |                 |               |              |
| Coast Survey of the U. S.                                |              |               |                | xx. 65        | Dead Letter Office,   |               |                |                 |               |              |
| Coffee and Tea,  |              |               |                | xix. 159      | Deaf and Dumb Persons,  |               |                |                 |               |              |
| “ Statistics of,   |              |               |                | xii. 145      | Debt, Imprisonment for,   |               |                |                 |               |              |
| “ Trade,   |              |               |                | xiii. 110     | Debts and Stocks of the <i>Several States</i> ,                 |               |                |                 |               |              |
| Coin, Import and Export of, from 1820 to 1839,           |              |               |                | xii. 123      | Debt of Great Britain,  |               |                |                 |               |              |
| Collectors of Customs, 1844,                             |              |               |                | xvi. 94       | Debts of the States,  |               |                |                 |               |              |
| Colonial Trade, America with Great Britain, 1697 - 1776, |              |               |                | xi. 136       | “ “ “   |               |                |                 |               |              |
| Commerce of the Lakes and Western Rivers,                |              |               |                | xx. 218       | (See this title in the <i>Indices to the several Volumes</i> .) |               |                |                 |               |              |
| Commerce of the U. S. 1776 - 90,                         |              |               |                | xi. 137       | Deeds to Lands in Missouri, how authenticated,                  |               |                |                 |               |              |
| “ “ 1789 - 1837,   |              |               |                | xi. 138       | Defalcations (Public), Losses by, 1789 - 1837,                  |               |                |                 |               |              |
| Comet of 1843,   |              |               |                | xv. 94        | Distilleries in the U. S.,                                      |               |                |                 |               |              |
| “ Pingré's, 1848,  |              |               |                | xix. 75       | Districts, Congressional, see Vol. XV.                          |               |                |                 |               |              |
| Comets, Catalogue of,                                    |              |               |                | xviii. 82     | Dublin (Ireland), University at,                                |               |                |                 |               |              |
| Comparative Views of Population,                         |              |               |                | xiv. 203      | Eclipses, see the several volumes.                              |               |                |                 |               |              |

| Vols.<br>Years,                       | XI.<br>1840, | XII.<br>1841, | XIII.<br>1842, | XIV.<br>1843, | XV.<br>1844,                               | XVI.<br>1845, | XVII.<br>1846, | XVIII.<br>1847, | XIX.<br>1848, | XX.<br>1849. |
|---------------------------------------|--------------|---------------|----------------|---------------|--|---------------|----------------|-----------------|---------------|--------------|
| Vol. Page.                            |              |               |                |               | Vol. Page.                                 |               |                |                 |               |              |
| Egypt,                                |              |               |                | xi. 293       | Immigration into the U. S. in 1845-46,     | xix. 160      |                |                 |               |              |
| Election of President and Vice-Pres-  |              |               |                |               | " " " 1846-47,                             | xx. 181       |                |                 |               |              |
| ident in 1840,                        |              |               |                | xiii. 53      | " its Effect on Population,                | xx. 170       |                |                 |               |              |
| Electric Telegraph,                   |              |               |                | xix. 187      | Imprisonment for Debt,                     | xix. 181      |                |                 |               |              |
| " "                                   |              |               |                | xx. 356       | Indianapolis, Statistics of,               | xv. 286       |                |                 |               |              |
| Emigration, Statistics of,            |              |               |                | xii. 82       | Indian Department and Florida War,         |               |                |                 |               |              |
| Espy's Conclusions in Meteorology,    |              |               |                | xvii. 86      | Expense of,                                | xiii. 93      |                |                 |               |              |
| " Theory of Storms,                   |              |               |                | xiv. 79       | Indian Tribes, Statement of Lands          |               |                |                 |               |              |
| European Universities,                |              |               |                | xi. 291       | purchased from,                            | xi. 183       |                |                 |               |              |
| " "                                   |              |               |                | xiv. 284      | Insanity, Statistics of,                   | xiv. 168      |                |                 |               |              |
| Exchange, see Bills.                  |              |               |                |               | Interest, Rates of, in the several States, | xiii. 106     |                |                 |               |              |
| Executive Officers of the U. S., 1789 |              |               |                |               | International Copyright,                   | xi. 102       |                |                 |               |              |
| - 1841,                               |              |               |                | xiii. 56      | Iowa, Constitution of,                     | xviii. 308    |                |                 |               |              |
| Expenditure (Annual) of Govern-       |              |               |                |               | Ireland, Census of, in 1841,               | xv. 302       |                |                 |               |              |
| ment, 1789-1837,                      |              |               |                | xii. 126      | " Population of,                           | xvii. 311     |                |                 |               |              |
| Expenditures of the States,           |              |               |                | xiii. 94      | Irish Relief from the U. S.,               | xix. 342      |                |                 |               |              |
| Expense of Living, Change in,         |              |               |                | xi. 100       |  |               |                |                 |               |              |
|                                       |              |               |                |               | Kentucky, Banks of,                        | xvii. 276     |                |                 |               |              |
| Finances of the States,               |              |               |                | xviii. 179    | Key West, Salvages at, in 1838,            | xi. 276       |                |                 |               |              |
| " " "                                 |              |               |                | xix. 168      |  |               |                |                 |               |              |
| Florida, Census of, in 1838,          |              |               |                | xi. 275       | Libraries, Mechanic Ins., and Ly-          |               |                |                 |               |              |
| " Constitution of,                    |              |               |                | xvii. 293     | ceums in Mass.,                            | xii. 188      |                |                 |               |              |
| " Taxes in,                           |              |               |                | xvii. 294     | Library of Brown University,               | xix. 237      |                |                 |               |              |
| " War and Indian Depart-              |              |               |                |               | Longevity, Influence of Occupation         |               |                |                 |               |              |
| ment, Expense of,                     |              |               |                | xiii. 93      | upon,                                      | xviii. 227    |                |                 |               |              |
| Flour and Grain exported, 1821-38,    |              |               |                | xi. 146       | " " "                                      | xix. 232      |                |                 |               |              |
| " Wheat, Exports of, 1790-            |              |               |                |               | " Tables of,                               | xvii. 157     |                |                 |               |              |
| 1838,                                 |              |               |                | xii. 146      | Losses by Public Defalcations, 1789-       |               |                |                 |               |              |
|                                       |              |               |                |               | 1837,                                      | xii. 126      |                |                 |               |              |
| Geological Survey of N. H.,           |              |               |                | xii. 179      | Lowell (City of), Statistics of, Jan.      |               |                |                 |               |              |
| Georgia, Census of, 1838,             |              |               |                | xi. 248       | 1, 1845,                                   | xvii. 213     |                |                 |               |              |
| " Internal Improvements of,           |              |               |                | xi. 250       | Lyceums, Libraries, &c.,                   | xii. 188      |                |                 |               |              |
| German Railroads,                     |              |               |                | xx. 204       |  |               |                |                 |               |              |
| Gold and Silver, Quantity produced    |              |               |                |               | Marine Corps,                              | xix. 128      |                |                 |               |              |
| between 1790 and 1830,                |              |               |                | xi. 96        | Maryland Historical Society,               | xvii. 248     |                |                 |               |              |
| Gold Mines of North Carolina,         |              |               |                | xii. 211      | Massachusetts, Banks of,                   | xv. 216       |                |                 |               |              |
| Government, Cost of,                  |              |               |                | xviii. 152    | " "  | xviii. 226    |                |                 |               |              |
| Grain and Flour exported, 1821-38,    |              |               |                | xi. 146       | " Militia Law of 1840,                     | xii. 186      |                |                 |               |              |
| " Exports of, 1790-1838,              |              |               |                | xii. 146      | " Population and Repre-                    |               |                |                 |               |              |
| Great Britain, Clergy of,             |              |               |                | xvi. 301      | sentation of, in 1840,                     | xii. 184      |                |                 |               |              |
| " Debt of,                            |              |               |                | xii. 259      | " Registration of Births,                  | xvii. 152     |                |                 |               |              |
| " Wool and Woollen                    |              |               |                |               | " and N. Y., Statistics of,                | xviii. 188    |                |                 |               |              |
| Manufactures of,                      |              |               |                | xvi. 302      | Mechanic Institutes, Libraries, &c.,       | xii. 188      |                |                 |               |              |
| " Shipping of,                        |              |               |                | xvi. 302      | Members of Congress, 1789-1843,            | xv. 147       |                |                 |               |              |
| " Parliament,                         |              |               |                | xiii. 274     | Mexican Tariff, 1847,                      | xix. 178      |                |                 |               |              |
| " Population of,                      |              |               |                | xii. 258      | " War, Statistics of Army                  |               |                |                 |               |              |
| " " in 1841,                          |              |               |                | xiv. 292      | employed in,                               | xx. 193       |                |                 |               |              |
| " Railroads in,                       |              |               |                | xviii. 160    | Michigan, Census of, in 1845,              | xviii. 298    |                |                 |               |              |
|                                       |              |               |                |               | " Public Instruction in,                   | xviii. 297    |                |                 |               |              |
| Ice-Trade of the U. S.,               |              |               |                | xx. 175       | " Statistics of, in 1838,                  | xi. 265       |                |                 |               |              |
| Illinois, Census of, in 1845,         |              |               |                | xviii. 303    | " University of,                           | xv. 282       |                |                 |               |              |
| " Constitution of, 1847,              |              |               |                | xx. 302       | Militia Law of Massachusetts of 1840,      | xii. 186      |                |                 |               |              |

| Vols.<br>Years.                        | XI.<br>1840, | XII.<br>1841, | XIII.<br>1842, | XIV.<br>1843, | XV.<br>1844,                             | XVI.<br>1845, | XVII.<br>1846, | XVIII.<br>1847, | XIX.<br>1848, | XX.<br>1849. |
|--|--------------|---------------|----------------|---------------|--|---------------|----------------|-----------------|---------------|--------------|
|  |              |               |                | Vol. Page.    |  |               |                |                 |               | Vol. Page.   |
| Mississippi, Census of, in 1845,       |              |               |                | xviii. 271    | Population, Comparative Views of,        |               |                |                 |               | xv. 202      |
| “ Constitution of, in 1845,            |              |               |                | xviii. 273    | “ Effect of Immigration                  |               |                |                 |               |              |
| “ Courts of,                           |              |               |                | xiv. 254      | “ upon,                                  |               |                |                 |               | xx. 170      |
| “ Legislative Enactments,              |              |               |                | xi. 255       | “ of Great Britain,                      |               |                |                 |               | xii. 258     |
| “ Terms of Courts in,                  |              |               |                | xvii. 267     | “ “ “ 1841,                              |               |                |                 |               | xiv. 292     |
| Missouri, Bank of,                     |              |               |                | xi. 272       | “ of New Jersey,                         |               |                |                 |               | xiv. 231     |
| “ Census of, in 1844,                  |              |               |                | xvii. 291     | “ of the United States,                  |               |                |                 |               | xi. 185      |
| “ Education in,                        |              |               |                | xi. 272       | “ “ “                                    |               |                |                 |               | xii. 149     |
| Missouri Lands, Deeds to, how au-      |              |               |                |               | “ “ “                                    |               |                |                 |               | xiii. 137    |
| thenticated,                           |              |               |                | xvi. 289      | “ “ “                                    |               |                |                 |               | xvii. 199    |
| “ Minerals in,                         |              |               |                | xi. 273       | “ Views of,                              |               |                |                 |               | xiv. 203     |
| Mortality of Amputation,               |              |               |                | xii. 80       | Post-office Revenue under New Law,       |               |                |                 |               | xix. 131     |
| “ of Prisons,                          |              |               |                | xi. 234       | Precious Metals, Quantity produced       |               |                |                 |               |              |
| “ of Several Cities,                   |              |               |                | xi. 98        | between 1790 and 1830,                   |               |                |                 |               | xi. 96       |
| Naval Force of Various Powers,         |              |               |                | xviii. 130    | Presidential Election of 1840,           |               |                |                 |               | xiii. 53     |
| Navigation, Statistics of,             |              |               |                | xii. 83       | “ Elections, 1789 - 1841,                |               |                |                 |               |              |
| New Jersey, Population of Town-        |              |               |                |               | “ Votes at,                              |               |                |                 |               | xvi. 88      |
| ships in,                              |              |               |                | xiv. 231      | “ Election in 1844,                      |               |                |                 |               | xvii. 99     |
| Newspapers and Periodicals in U. S.,   |              |               |                | xi. 196       | Printed Cottons,                         |               |                |                 |               | xiv. 173     |
| New Orleans Public Schools,            |              |               |                | xv. 269       | Prison Discipline,                       |               |                |                 |               | xi. 207      |
| New York, Census of, in 1845,          |              |               |                | xviii. 238    | Prisons, Mortality of,                   |               |                |                 |               | xi. 234      |
| “ Churches in,                         |              |               |                | xviii. 192    | Property and Taxation, see the Sev-      |               |                |                 |               |              |
| “ Common Schools of,                   |              |               |                | xvi. 225      | eral States in this Index, and the       |               |                |                 |               |              |
| “ Paupers in,                          |              |               |                | xvi. 226      | several Volumes of the Almanac.          |               |                |                 |               |              |
| “ and Massachusetts, Sta-              |              |               |                |               | Protest, see <i>Bills</i> .              |               |                |                 |               |              |
| tistics of,                            |              |               |                | xviii. 188    | Providence Athenæum,                     |               |                |                 |               | xix. 237     |
| North Carolina, Gold Mines of,         |              |               |                | xii. 211      | Railroads, American and Belgian,         |               |                |                 |               | xi. 124      |
| Observatory at Washington,             |              |               |                | xix. 67       | “ in Germany,                            |               |                |                 |               | xx. 204      |
| “ of Paris,                            |              |               |                | xviii. 63     | “ in the U. S.,                          |               |                |                 |               | xix. 193     |
| Ohio, Taxes in 1844,                   |              |               |                | xvii. 279     | “ in U. S. and Gr. Britain,              |               |                |                 |               | xviii. 160   |
| Opium Trade,                           |              |               |                | xii. 63       | “ see the several Volumes.               |               |                |                 |               |              |
| Oregon Convention,                     |              |               |                | xviii. 214    | Rain, Annual Quantity of, in Boston,     |               |                |                 |               | xii. 167     |
| Oxford, University at,                 |              |               |                | xi. 291       | Rates of Interest in the several States, |               |                |                 |               | xiii. 106    |
| Packet Ships to Liverpool (Length of   |              |               |                |               | Registration of Births, Marriages, and   |               |                |                 |               |              |
| Passages),                             |              |               |                | xii. 83       | Deaths,                                  |               |                |                 |               | xvii. 152    |
| Parliament of Great Britain, 1841,     |              |               |                | xiii. 274     | Representation of Massachusetts in       |               |                |                 |               |              |
| “ “ “ 1847,                            |              |               |                | xix. 330      | 1840,                                    |               |                |                 |               | xii. 184     |
| Patent Office,                         |              |               |                | xix. 190      | Representative Districts in Virginia,    |               |                |                 |               | xx. 264      |
| Paterson (N. J.), Statistics of, 1845, |              |               |                | xvii. 234     | Revenue of the States,                   |               |                |                 |               | xiii. 99     |
| Paupers in New York,                   |              |               |                | xvi. 226      | Rhode Island, Banks in,                  |               |                |                 |               | xviii. 230   |
| Pennsylvania, Census of, 1840,         |              |               |                | xv. 239       | “ “ Code of,                             |               |                |                 |               | xvi. 216     |
| “ School System,                       |              |               |                | xviii. 245    | “ “ Town Expenses of,                    |               |                |                 |               | xvii. 216    |
| “ Tax Bill of 1844,                    |              |               |                | xvi. 234      | “ “ “ “                                  |               |                |                 |               | xviii. 229   |
| “ Taxes in,                            |              |               |                | xvii. 239     | Roman Catholic Church throughout         |               |                |                 |               |              |
| Periodicals and Newspapers in U. S.,   |              |               |                | xi. 196       | the World,                               |               |                |                 |               | xvi. 194     |
| Pingré's Comet of 1843,                |              |               |                | xix. 75       | Salvages at Key West in 1838,            |               |                |                 |               | xi. 276      |
| Population and Extent of the Globe,    |              |               |                | 271           | School System of Pennsylvania,           |               |                |                 |               | xviii. 245   |
| “ and Representation of                |              |               |                |               | Senators and Representatives, 1789 -     |               |                |                 |               |              |
| Massachusetts in 1840,                 |              |               |                | xii. 184      | 1843,                                    |               |                |                 |               | xv. 149      |
|  |              |               |                |               | Sessions of Congress, 1789 - 1843,       |               |                |                 |               | xv. 147      |

| Vols.<br>Years,                       | XI.<br>1840, | XII.<br>1841, | XIII.<br>1842, | XIV.<br>1843, | XV.<br>1844,                            | XVI.<br>1845, | XVII.<br>1846, | XVIII.<br>1847, | XIX.<br>1848, | XX.<br>1849. |
|---------------------------------------|--------------|---------------|----------------|---------------|---|---------------|----------------|-----------------|---------------|--------------|
| Vol. Page.                            |              |               |                |               | Vol. Page.                              |               |                |                 |               |              |
| Silk, Bounty on, in Massachusetts,    |              |               |                | xi. 217       | Tobacco Trade,                          |               |                |                 |               | xiii. 108    |
| Silver and Gold, Quantity produced    |              |               |                | xi. 96        | Tonnage of the U. S., 1815-43,          |               |                |                 |               | xvii. 187    |
| between 1790 and 1830,                |              |               |                | xvi. 200      | Trade, British and American,            |               |                |                 |               | xv. 302      |
| Slaves in the U. S.,                  |              |               |                | xvii. 199     | Travelling in the U. S., Statistics of, |               |                |                 |               | xii. 87      |
| "    "                                |              |               |                | xii. 76       | Treaties of the U. S.,                  |               |                |                 |               | xix. 213     |
| Slave Trade,                          |              |               |                | xix. 174      | Treaty between Gr. Britain and the      |               |                |                 |               |              |
| Smithsonian Institution,              |              |               |                | xvii. 259     | U. S. concerning Oregon,                |               |                |                 |               | xviii. 214   |
| South Carolina, Taxes of,             |              |               |                |               | United States, Principal Exec. Offi-    |               |                |                 |               |              |
| Specie Payments, Suspension of, by    |              |               |                | xii. 137      | cers, 1789-1841,                        |               |                |                 |               | xiii. 56     |
| Banks in 1839,                        |              |               |                | xv. 290       | "    "    Statistics,                   |               |                |                 |               | xiv. 136     |
| St. Louis, Trade of,                  |              |               |                | xiv. 135      | Universities, European,                 |               |                |                 |               | xiv. 284     |
| State Debts (see the Several States), |              |               |                | xiii. 94      | "    "    "                             |               |                |                 |               | xvii. 312    |
| Expenditures,                         |              |               |                | xviii. 179    | "    of Cambridge, Oxford,              |               |                |                 |               |              |
| Finances,                             |              |               |                | xiii. 98      | and Dublin,                             |               |                |                 |               | xi. 291      |
| Stock, 1820-40,                       |              |               |                | xiii. 123     | Usury, Punishment of,                   |               |                |                 |               | xiii. 106    |
| Statistics of Agriculture,            |              |               |                | xiv. 136      | Virginia, Congressional Districts in,   |               |                |                 |               | xx. 264      |
| "    of the U. S. (6th Census),       |              |               |                | xi. 111       | "    Taxes in 1844,                     |               |                |                 |               | xvii. 252    |
| Steam-engines and Steam Navigation,   |              |               |                | xii. 87       | Votes for President and Vice-Pres-      |               |                |                 |               |              |
| Steamships, Comparative Safety of,    |              |               |                | xii. 85       | ident, 1789-1841,                       |               |                |                 |               | xvi. 88      |
| Steamship Navigation between Eng-     |              |               |                | xiii. 98      | Wages, Rates of, in Several Countries,  |               |                |                 |               | xii. 88      |
| land and America,                     |              |               |                | xi. 103       | Western Rivers and Lakes, Com-          |               |                |                 |               |              |
| Stock issued by the States, 1820-40,  |              |               |                | xi. 94        | merce of,                               |               |                |                 |               | xx. 218      |
| Stocks of the States,                 |              |               |                | xx. 65        | West Indies, British,                   |               |                |                 |               | xiv. 281     |
| Sugar, Article concerning,            |              |               |                | xii. 137      | West Point Academy,                     |               |                |                 |               | xvi. 125     |
| Survey, U. S. Coast,                  |              |               |                | xix. 178      | Whale Fishery,                          |               |                |                 |               | xiv. 176     |
| Suspension of Specie Payments in      |              |               |                | xviii. 318    | "    "                                  |               |                |                 |               | xvi. 160     |
| 1839,                                 |              |               |                | xiv. 180      | Wheat and Flour, Exports of, 1790-      |               |                |                 |               |              |
| Tariff for Mexico, 1847,              |              |               |                | xviii. 164    | 1838,                                   |               |                |                 |               | xii. 146     |
| "    of Great Britain in 1847,        |              |               |                | xix. 159      | "    "    Indian Corn, Bounty on        |               |                |                 |               |              |
| "    of 1842,                         |              |               |                | xix. 187      | in Ms. for 1838,                        |               |                |                 |               | xi. 211      |
| "    of 1846,                         |              |               |                | xx. 356       | "    Bounty on, in Massachusetts,       |               |                |                 |               | xi. 216      |
| Tea and Coffee,                       |              |               |                | xix. 72       | "    Importation of, 1831-38,           |               |                |                 |               | xi. 147      |
| Telegraph, Electric,                  |              |               |                | xviii. 279    | "    Price of, in England,              |               |                |                 |               | xi. 99       |
| "    "                                |              |               |                | xx. 281       | "    Raised in Massachusetts in         |               |                |                 |               |              |
| Telescope at Cambridge, Mass.,        |              |               |                |               | 1839,                                   |               |                |                 |               | xii. 187     |
| Texas, xvii. 299, and other Volumes.  |              |               |                |               | Wisconsin, Constitution of,             |               |                |                 |               | xx. 307      |
| "    Constitution of, in 1845,        |              |               |                |               | "    Population of, in 1846,            |               |                |                 |               | xviii. 307   |
| "    List of Public Officers from its |              |               |                |               |   |               |                |                 |               |              |
| Origin,                               |              |               |                |               |   |               |                |                 |               |              |

## INDEX TO THE OBITUARY.

| Vol. Page.                | Vol. Page.             | Vol. Page.              | Vol. Page.               |
|---------------------------|------------------------|-------------------------|--------------------------|
| Abbey, D. xiii. 286       | Agata, F. S. xvi. 311  | Allison, A. xii. 269    | Alvord, E. xiii. 296     |
| Abbot, J. xv. 318         | Aguado, Marq. xiv. 303 | Allen, E. W. xviii. 330 | Alvord, J. C. xii. 273   |
| Abeel, D. xiii. 296       | Akerly, xvii. 321      | Allen, H. xviii. 313    | Ames, N. P. xix. 353     |
| Abercrombie, J. xiii. 302 | Albers, S. G. xii. 273 | Allen, J. xii. 270      | Ames, S. xiii. 296       |
| Accum, F. xi. 297         | Albright, J. xvii. 320 | Allen, R. xvi. 311      | Anderson, A. xiii. 274   |
| Adair, J. xii. 285        | Alburtis, W. xix. 353  | Allen, R. C. xiii. 302  | Anderson, J. B. xii. 285 |
| Adams, D. xviii. 330      | Alden, J. xvii. 321    | Allen, S. C. xiv. 307   | Anderson, S. H. xii. 285 |
| Adams, J. xiv. 304        | Alden, T. xi. 305      | Allston, W. xv. 318     | Anderson, W. E. xiv. 304 |
| Adams, J. Q. xx. 330      | Aldis, A. xx. 323      | Allston, W. M. xvi. 311 | Anderson, T. O. xvi. 311 |
| Adrain, R. xvi. 304       | Alexander, A. xvi. 311 | Alston, W. xi. 305      | Andrews, J. xiv. 307     |



| Vol.<br>Years,  | XI.<br>1840, | XII.<br>1841, | XIII.<br>1842,  | XIV.<br>1843, | XV.<br>1844, | XVI.<br>1845,  | XVII.<br>1846, | XVIII.<br>1847, | XIX.<br>1848,    | XX.<br>1849. |     |
|-----------------|--------------|---------------|-----------------|---------------|--------------|----------------|----------------|-----------------|------------------|--------------|-----|
| Vol. Page.      |              |               |                 | Vol. Page.    |              |                |                | Vol. Page.      |                  |              |     |
| Appleton, L.    | xvii.        | 321           | Beach, J.       | xiii.         | 302          | Bonaparte, L.  | xii.           | 273             | Burche, S.       | xix.         | 344 |
| Archer, S.      | xx.          | 332           | Beall, R.       | xv.           | 320          | Bonaparte, L.  | xiii.          | 288             | Burgwin,         |              |     |
| Andrews, J.     | xix.         | 353           | Bean, E.        | xviii.        | 330          | Bond, G.       | xiv.           | 309             | J. H. K.         | xix.         | 354 |
| Angus, S.       | xii.         | 235           | Beasley, F.     | xviii.        | 323          | Bonnycastle,   |                |                 | Burke, W.        | xiv.         | 301 |
| Armistead, A.   | xiii.        | 302           | Beasley, R. G.  | xix.          | 354          | C.             | xvii.          | 296             | Burnell, B.      | xv.          | 320 |
| Armistead, W.   | xiv.         | 307           | Beecher, P.     | xii.          | 274          | Boone, R.      | xvii.          | 313             | Burnes, A.       | xix.         | 299 |
| Armistead,      |              |               | Belknap, C.     | xii.          | 286          | Booth, T.      | xv.            | 320             | Burnham, B.      | xix.         | 354 |
| W. K.           | xviii.       | 323           | Bell, A.        | xv.           | 320          | Bossier, P. E. | xvi.           | 313             | Burnham, J.      | xix.         | 354 |
| Armstrong,      |              |               | Bell, Sir C.    | xiv.          | 302          | Boudinot, E.   | xi.            | 306             | Burnham, M.      | xix.         | 354 |
| A.              | xvii.        | 321           | Belton, T.      | xii.          | 286          | Bowen, C.      | xviii.         | 323             | Burroughs, J.    | xiv.         | 309 |
| Armstrong, J.   | xv.          | 319           | Beltz, G. F.    | xiv.          | 299          | Bowen, E.      | xiii.          | 302             | Burroughs, S.    | xii.         | 286 |
| Armstrong,      |              |               | Bender, J.      | xiii.         | 296          | Bowen, N.      | xi.            | 306             | Bushyhead, J.    | xvi.         | 313 |
| R. L.           | xi.          | 302           | Benham, J. S.   | xii.          | 286          | Bowen, W. W.   | xii.           | 274             | Bussey, B.       | xiv.         | 309 |
| Arnold, T.      | xiv.         | 303           | Benjamin, J.    | xiv.          | 308          | Bower, H.      | xiv.           | 302             | Bussey, D.       | xii.         | 286 |
| Ashburner, L.   | xvi.         | 311           | Bennehan,       |               |              | Bowie, R. P.   | xiii.          | 303             | Butler, D.       | xiv.         | 309 |
| Ashley, C.      | xx.          | 332           | T. D.           | xix.          | 354          | Boyd, G. W.    | xiii.          | 296             | Butler, S.       | xii.         | 270 |
| Astor, J. J.    | xx.          | 332           | Bennet, B.      | xiii.         | 296          | Boyd, J. D.    | xvi.           | 313             | Butler, S.       | xix.         | 354 |
| Atkins, E.      | xi.          | 306           | Bennett, B.     | xv.           | 308          | Bradford, A.   | xvi.           | 304             | Butterworth,     |              |     |
| Atkinson, D. C. | xiv.         | 307           | Bennett, J.     | xiv.          | 308          | Bradford, G.   | xii.           | 275             | C.               | xx.          | 333 |
| Atkinson, H.    | xiv.         | 307           | Benson, B. W.   | xi.           | 306          | Bradley, A.    | xii.           | 286             | Byles, J.        | xi.          | 307 |
| Augusta Sophia, |              |               | Bentineck,      |               |              | Bradley, E.    | xx.            | 333             |                  |              |     |
|                 | xiii.        | 291           | Ld. Wm.         | xi.           | 301          | Bradstreet, E. | xvii.          | 313             | Cadwalader, T.   | xiii.        | 303 |
| Averill, P.     | xiv.         | 307           | Benton, S.      | xix.          | 344          | Bradley, P.    | xvii.          | 322             | Caldwell, A.     | xi.          | 307 |
| Aylett, E.      | xv.          | 308           | Beresford, J.   | xiii.         | 291          | Brashears, S.  | xx.            | 323             | Caldwell, M.     | xx.          | 333 |
|                 |              |               | Berkely, C.     | xii.          | 274          | Brazer, J.     | xviii.         | 330             | Caldwell, P.     | xiii.        | 303 |
| Bache, G. M.    | xix.         | 343           | Berry, J.       | xi.           | 306          | Breck, D.      | xviii.         | 323             | Calhoun, S.      | xiii.        | 303 |
| Bache, R.       | xx.          | 333           | Berry, L. W.    | xviii.        | 330          | Breckenbridge, |                |                 | Call, D.         | xii.         | 286 |
| Backus,         | xii.         | 285           | Bethune, H.     | xiv.          | 308          | J.             | xiii.          | 303             | Camden,          |              |     |
| Bacon, E. C.    | xvii.        | 321           | Betts, T.       | xii.          | 286          | Breckner,      |                |                 | Marq.            | xiii.        | 291 |
| Badger, J.      | xviii.       | 330           | Beveridge, N.   | xvii.         | 313          | R. H.          | xix.           | 344             | Campbell, D.     | xi.          | 303 |
| Bagot, C.       | xv.          | 307           | Beverley, C.    | xvi.          | 312          | Breese, T.     | xix.           | 344             | Campbell,        |              |     |
| Bailey, D.      | xiii.        | 302           | Biddle, N.      | xvi.          | 312          | Brent, D.      | xiii.          | 303             | G. W.            | xx.          | 333 |
| Bailey, E.      | xi.          | 306           | Biddle, R.      | xix.          | 354          | Brent, W.      | xx.            | 333             | Campbell, H.     | xiii.        | 294 |
| Bailey, M.      | xiv.         | 307           | Biddulph, T. T. | xi.           | 294          | Bridgham,      |                |                 | Campbell, R.     | xviii.       | 331 |
| Balch, T.       | xii.         | 285           | Bigelow, L.     | xi.           | 302          | S. W.          | xiii.          | 297             | Campbell, W.     | xvii.        | 314 |
| Baldwin, A.     | xviii.       | 330           | Bigelow, W.     | xvi.          | 313          | Brimmer, G.    |                |                 | Candee, D.       | xiii.        | 303 |
| Baldwin,        |              |               | Billings, B.    | xv.           | 308          | W.             | xi.            | 303             | Candler, J.      | xiv.         | 309 |
| E. W.           | xiii.        | 286           | Bingham, J.     | xiv.          | 308          | Brinkerhoff,   |                |                 | Cane, E. W.      | xiii.        | 297 |
| Baldwin, G. B.  | xvi.         | 285           | Binney, H. N.   | xiv.          | 308          | H. R.          | xvi.           | 313             | Canfield, J.     | xii.         | 286 |
| Baldwin, H.     | xvi.         | 312           | Birch, R.       | xv.           | 308          | Brockenbrough, |                |                 | Caperton, H.     | xix.         | 354 |
| Baldwin, M.     | xix.         | 353           | Birch, S.       | xiv.          | 300          | W.             | xi.            | 303             | Carey, E. L.     | xvii.        | 322 |
| Ball, John,     | xi.          | 302           | Bird, J.        | xi.           | 299          | Brogdan, S.    | xii.           | 286             | Carey, M.        | xii.         | 275 |
| Ball, M.        | xiv.         | 307           | Birkbeck, G.    | xiv.          | 300          | Brondstead,    |                |                 | Carlisle, Sir A. | xiii.        | 292 |
| Bancroft, A.    | xi.          | 306           | Bishop, A.      | xvi.          | 313          | P. O.          | xiv.           | 303             | Carpenter, E.    | xi.          | 307 |
| Banlin, J.      | xv.          | 304           | Bishop, C.      | xii.          | 286          | Bronson, J.    | xi.            | 303             | Carpenter, L.    | xii.         | 272 |
| Banks, L.       | xiv.         | 307           | Black, E.       | xiv.          | 304          | Brooks, M.     | xviii.         | 324             | Carr, R. J.      | xiii.        | 294 |
| Barber, N.      | xvi.         | 312           | Black, J. R.    | xi.           | 306          | Brooks, J. G.  | xiii.          | 303             | Carrington, E.   | xvi.         | 304 |
| Barbour, J.     | xiv.         | 308           | Blackburn, G.   | xi.           | 302          | Broussais, M.  | xi.            | 301             | Carroll, E.      | xiii.        | 297 |
| Barbour, P. N.  | xix.         | 343           | Black Hawk,     | xi.           | 302          | Brown, A.      | xii.           | 286             | Carson, J.       | xiii.        | 303 |
| Barbour, P. P.  | xiii.        | 302           | Blackman, E.    | xviii.        | 323          | Brown, J.      | xi.            | 307             | Carson, S. P.    | xi.          | 303 |
| Barker, E. H.   | xi.          | 299           | Blackwell, J.   | xii.          | 273          | Brown, J.      | xii.           | 256             | Carter, C. S.    | xii.         | 287 |
| Barker, G. P.   | xx.          | 333           | Blake, C.       | xix.          | 354          | Brown, J. R.   | xv.            | 320             | Carter, L. N.    | xx.          | 323 |
| Barnes, J.      | xiii.        | 302           | Blake, D. T.    | xii.          | 274          | Brown, N.      | xiii.          | 303             | Carter, W. B.    | xx.          | 334 |
| Barnes, T.      | xiii.        | 294           | Blake, G.       | xiii.         | 302          | Brown, S.      | xi.            | 307             | Cary, J.         | xv.          | 321 |
| Barneswall,     |              |               | Blake, J.       | xiv.          | 309          | Brown, S.      | xviii.         | 331             | Cass, C. L.      | xiv.         | 309 |
| R. V.           | xiv.         | 301           | Blanco-White,   |               |              | Browne, J.     | xiii.          | 294             | Cassedy, G.      | xv.          | 309 |
| Barnum, D.      | xvi.         | 312           | J.              | xiii.         | 294          | Bruen, M.      | xviii.         | 331             | Catalano,        |              |     |
| Barringer, P.   | xvi.         | 312           | Bland, T.       | xix.          | 344          | Brumell, G.    | xiii.          | 287             | S. M.            | xviii.       | 331 |
| Barrow, A.      | xix.         | 344           | Blanding, A.    | xii.          | 274          | Buchanan, J.   | xvii.          | 313             | Caton, Mrs.      | xix.         | 345 |
| Bartle, Col.    | xiv.         | 274           | Bleeker, B.     | xii.          | 286          | Buchanan, T.   | xx.            | 333             | Caton, R.        | xvii.        | 322 |
| Bartlett, W.    | xiii.        | 302           | Bloodgood, F.   | xii.          | 286          | Buck, A. A.    | xiv.           | 304             | Chambers, D.     | xv.          | 309 |
| Bass, H.        | xiv.         | 308           | Bloodgood,      |               |              | Buck, T.       | xiv.           | 309             | Chambers, H.     | xvii.        | 314 |
| Bass, S.        | xiv.         | 308           | F. A.           | xv.           | 308          | Buckingham,    |                |                 | Chamisso, A.     | xi.          | 295 |
| Bates, I. C.    | xvii.        | 321           | Blowers, S. S.  | xv.           | 309          | C. A.          | xiii.          | 303             | Champlin,        |              |     |
| Baxter, G.      | xiii.        | 302           | Blumenbach,     |               |              | Buckner, R. A. | xx.            | 323             | C. G.            | xii.         | 287 |
| Bay, E. H.      | xi.          | 302           | J. F.           | xii.          | 271          | Buel, J.       | xii.           | 275             | Chandler, J.     | xviii.       | 331 |
| Bayard, S.      | xii.         | 285           | Boaden, J.      | xi.           | 298          | Buff, M.       | xi.            | 307             | Chandler, J.     | xiii.        | 304 |
| Bayley, Sir J.  | xiv.         | 299           | Bogardus, R.    | xiii.         | 302          | Buffum, S.     | xiii.          | 303             | Chandler, P.     | xix.         | 354 |
| Baylies, H.     | xv.          | 320           | Bolland, W.     | xiii.         | 287          | Bulfinch, C.   | xvi.           | 313             | Channing,        |              |     |
| Baylies, N.     | xix.         | 353           | Bolles, L.      | xvi.          | 313          | Bullard, J. P. | xvii.          | 322             | W. E.            | xv.          | 309 |
| Bayly, T. H.    | xi.          | 300           | Bomford, G.     | xx.           | 333          | Buncker, E. S. | xix.           | 354             | Chantrey, F.     | xiv.         | 300 |
| Beach, H.       | xvii.        | 313           | Bonaparte, C.   | xi.           | 298          | Burbank, E.    | xix.           | 354             | Chapin, J.       | xii.         | 276 |

| Vols.<br>Years. | XI.<br>1840. | XII.<br>1841. | XIII.<br>1842.   | XIV.<br>1843. | XV.<br>1844.    | XVI.<br>1845. | XVII.<br>1846.   | XVIII.<br>1847. | XIX.<br>1848. | XX.<br>1849. |
|-----------------|--------------|---------------|------------------|---------------|-----------------|---------------|------------------|-----------------|---------------|--------------|
|                 | Vol. Page    |               |                  | Vol. Page     |                 |               | Vol. Page        |                 |               | Vol. Page.   |
| Chaplin, J.     | xlii. 304    |               | Cornelius, L.    | xlii. 304     | Degroot, E.     | xv. 323       | Eddy, S.         | xi. 313         |               |              |
| Chapman, J.     | xx. 334      |               | Coster, J. G.    | xvi. 314      | Degroot, J.     | xv. 323       | Edgar, W.        | xvii. 324       |               |              |
| Chase, D.       | xviii. 331   |               | Cotton, J.       | xix. 355      | De Groot, W.    | xii. 287      | Edes, P.         | xii. 287        |               |              |
| Chase, H.       | xvii. 332    |               | Courtenay,       |               | Delesdernier,   |               | Edson, A.        | xix. 355        |               |              |
| Chase, H. K.    | xx. 334      |               | T. P.            | xiv. 297      | W.              | xiv. 310      | Edwards, H. W.   | xix. 355        |               |              |
| Chauncey, I.    | xli. 287     |               | Cowen, E.        | xvi. 314      | Demeritt, S.    | xii. 287      | Edwards, J.      | xv. 323         |               |              |
| Chauncey,       |              |               | Cowles, S.       | xix. 345      | Denman, M.      | xiii. 304     | Edwards, M.      | xix. 355        |               |              |
| C. W.           | xix. 354     |               | Cox, A.          | xiv. 304      | Deputy, J.      | xx. 334       | Eldridge, C.     | xi. 303         |               |              |
| Cheever, A.     | xv. 321      |               | Cox, J.          | xv. 311       | De Quelen, Abp. |               | Elgin, Earl of,  | xiv. 299        |               |              |
| Cherry, W. W.   | xvii. 322    |               | Crane, W. M.     | xviii. 332    |                 | xli. 270      | Elizabeth,       |                 |               |              |
| Chichester,     |              |               | Crawford, L.     | xx. 323       | Derby, S. G.    | xv. 323       | Princess,        | xli. 271        |               |              |
| Bp. of,         | xlii. 240    |               | Creagh, T. B.    | xiv. 310      | Dessaure,       |               | Ell, T.          | xiv. 311        |               |              |
| Child, W.       | xix. 354     |               | Creighton, J. O. | xi. 303       | H. W.           | xi. 312       | Elliot, J.       | xii. 277        |               |              |
| Chipman, N.     | xv. 321      |               | Croke, A.        | xv. 306       | De Silva, P.    | xii. 271      | Elliot, J.       | xviii. 334      |               |              |
| Chisholm, M.    | xli. 277     |               | Crombie, A.      | xv. 303       | Deweese, W. P.  | xli. 304      | Elliott, J.      | xiv. 305        |               |              |
| Chittenden,     |              |               | Crowell, J.      | xviii. 332    | De Witt, C. G.  | xi. 313       | Elliott, J. D.   | xviii. 325      |               |              |
| M.              | xlii. 304    |               | Cruser, W.       | xlii. 304     | Dexter, J. S.   | xvi. 315      | Ellis, E. E.     | xiv. 311        |               |              |
| Chitty, J.      | xlii. 294    |               | Cunningham,      |               | Dibblee, H.     | xix. 287      | Ellis, H. W.     | xv. 311         |               |              |
| Church, J. H.   | xli. 287     |               | A.               | xv. 306       | Dibdin, T.      | xiv. 298      | Ellis, J. S.     | xiv. 311        |               |              |
| Clagett, H.     | xiv. 309     |               | Curtis, J. F.    | xi. 312       | Dickerson,      |               | Elmer, E.        | xvi. 305        |               |              |
| Clapp, A.       | xx. 334      |               | Cushman, M.      | xiv. 310      | D. W.           | xvii. 323     | Elmer, D.        | xx. 334         |               |              |
| Clapp, P.       | xx. 333      |               | Cutler, J.       | xvi. 314      | Dickinson,      |               | Emerson, A.      | xiv. 311        |               |              |
| Clark, B.       | xli. 287     |               | Cutter, R. C.    | xix. 345      | J. D.           | xlii. 305     | Emerson, J.      | xiv. 311        |               |              |
| Clark, E. B.    | xiv. 309     |               | Cutts, C.        | xviii. 332    | Dickman, T.     | xiv. 304      | Emery, J. A.     | xv. 311         |               |              |
| Clark, J.       | xi. 307      |               | Cutts, R.        | xvii. 323     | Dixon, N. F.    | xiv. 310      | Emmett, J. P.    | xiv. 311        |               |              |
| Clark, J. W.    | xvi. 314     |               | Cuvier, F.       | xi. 298       | Doane, G. B.    | xiv. 311      | Emmons, N.       | xlii. 297       |               |              |
| Clark, M.       | xiv. 310     |               | Cuyler, J.       | xi. 312       | Dod, A. B.      | xviii. 324    | Emory, T.        | xiv. 311        |               |              |
| Clark, M. G.    | xviii. 331   |               | Dade, L. T.      | xiv. 310      | Dole, Betty,    | xiv. 311      | England, J.      | xiv. 311        |               |              |
| Clark, W. G.    | xlii. 304    |               | Dade, P. S.      | xiv. 310      | Dombberger, G.  | xi. 295       | Engle, P. H.     | xvi. 316        |               |              |
| Clarke, A.      | xlii. 304    |               | Daggett, H.      | xv. 322       | Don, D.         | xiv. 301      | Engs, G.         | xix. 346        |               |              |
| Clarke, L.      | xli. 287     |               | Dale, S.         | xlii. 304     | Donaldson,      |               | Eustis, A.       | xv. 323         |               |              |
| Clarke, R.      | xix. 354     |               | Dallas, A. J.    | xvi. 314      | M. L.           | xvii. 323     | Everett, A. H.   | xx. 323         |               |              |
| Clarke, W.      | xi. 303      |               | Dallas, T. B.    | xlii. 304     | Doolittle, J.   | xlii. 305     | Fairfield, G. J. | xx. 334         |               |              |
| Clayton, A. S.  | xi. 307      |               | Dalrymple,       |               | Dorr, S.        | xvii. 314     | Fairfield, J.    | xx. 334         |               |              |
| Clayton, G. R.  | xlii. 297    |               | J. A.            | xiv. 310      | Dorsey, C.      | xviii. 332    | Fanning,         |                 |               |              |
| Clay, H.        | xix. 354     |               | Dana, J.         | xviii. 324    | Drayton, W.     | xviii. 333    | A. C. W.         | xviii. 334      |               |              |
| Cleaveland,     |              |               | Daniel, J. J.    | xx. 334       | Drumgoole,      |               | Farr, J.         | xvii. 324       |               |              |
| J. F.           | xlii. 304    |               | Daniel, W.       | xii. 277      | G. C.           | xix. 355      | Farwell, L.      | xvi. 316        |               |              |
| Cleveland,      |              |               | Dannecker,       |               | Drummond, E.    | xv. 306       | Fay, N.          | xiv. 305        |               |              |
| H. R.           | xv. 322      |               | J. H.            | xiv. 298      | Drury, C.       | xvi. 304      | Fellowes, J.     | xvi. 316        |               |              |
| Cleveland, W.   | xiv. 310     |               | Darblay, F.      | xlii. 287     | Drury, H. J. T. | xiv. 296      | Fenner, J.       | xviii. 334      |               |              |
| Cleaver,        |              |               | Darling, N.      | xix. 345      | Dubois, J.      | xv. 311       | Fenton, N.       | xviii. 334      |               |              |
| S. L. V.        | xvi. 304     |               | Darlington, I.   | xi. 312       | Dudley, D.      | xlii. 305     | Fenwick, J. R.   | xiv. 311        |               |              |
| Clifford, J.    | xv. 311      |               | Da Ponte, L. L.  | xlii. 287     | Dugan, T.       | xii. 277      | Fenwick, B.      | xviii. 335      |               |              |
| Clinton, I.     | xli. 287     |               | Daunou,          |               | Dulaney, T.     | xvii. 323     | Fesch,           |                 |               |              |
| Cloves, T.      | xix. 354     |               | P. C. F.         | xlii. 288     | Duman, J. N.    | xlii. 305     | J. Cardinal,     | xi. 300         |               |              |
| Cobb, T.        | xvii. 323    |               | Davidson, Capt.  | xii. 287      | Dumas, H.       | xlii. 305     | Fetterman,       |                 |               |              |
| Cochran, J.     | xix. 345     |               | Davidson, J.     | xlii. 297     | Dunbar, J.      | xlii. 305     | W. W.            | xi. 303         |               |              |
| Codman, J.      | xx. 323      |               | Davidson, L. P.  | xiv. 310      | Duncan, J.      | xvi. 315      | Fidler, D.       | xv. 311         |               |              |
| Coffin, A.      | xi. 307      |               | Davis, C. B.     | xii. 277      | Dunklin, D.     | xvi. 315      | Findley, W.      | xix. 346        |               |              |
| Coffin, N.      | xviii. 332   |               | Davis, J.        | xvi. 304      | Dunlap, W.      | xli. 277      | Fisher, E.       | xiv. 312        |               |              |
| Coffin, I.      | xiv. 304     |               | Davis, J.        | xix. 355      | Dunlavy, F.     | xli. 277      | Fisher, J.       | xx. 335         |               |              |
| Colburn, Z.     | xi. 307      |               | Davis, J. A. G.  | xlii. 297     | Dunn, J.        | xv. 323       | Fisk, J.         | xvii. 314       |               |              |
| Colcock, C. J.  | xi. 310      |               | Davis, R. F.     | xiv. 310      | Duponceau,      |               | Fiak, W.         | xi. 313         |               |              |
| Cole, N. W.     | xx. 334      |               | Davy, J.         | xi. 312       | P. S.           | xvi. 315      | Fitch, A.        | xiv. 312        |               |              |
| Coles, I. A.    | xlii. 304    |               | Davy, M.         | xi. 301       | Durell, D. M.   | xlii. 305     | Fitch, E.        | xli. 277        |               |              |
| Colfax, W.      | xi. 303      |               | Dawson, R. W.    | xv. 322       | Durfee, J.      | xix. 355      | Fitch, J.        | xlii. 305       |               |              |
| Collet, M. W.   | xli. 287     |               | Dawson, J. B.    | xvii. 323     | Durham,         |               | Fitch, J. G.     | xvii. 324       |               |              |
| Condict, B.     | xli. 277     |               | Day, O.          | xix. 345      | Countess of,    | xiv. 300      | Fitzhugh, T.     | xvi. 305        |               |              |
| Congleton,      |              |               | Day, M.          | xvii. 314     | Durham, Earl,   | xlii. 289     | Fitzhugh, W.     | xli. 278        |               |              |
| Lord,           | xiv. 303     |               | Day, D. M.       | xli. 277      | Duvall, G.      | xvi. 315      | Fletcher, I.     | xv. 311         |               |              |
| Conkey, A.      | xix. 355     |               | Dayton, E. B.    | xviii. 332    | Dyer, G.        | xlii. 294     | Flint, T.        | xli. 287        |               |              |
| Conklin, T.     | xi. 310      |               | Deacon, D.       | xli. 287      | Dwight, H. W.   | xvii. 324     | Floyd, J.        | xi. 313         |               |              |
| Conway, W. B.   | xli. 277     |               | Dean, J.         | xlii. 304     | Dwight, T.      | xvi. 315      | Follen, C.       | xii. 288        |               |              |
| Conwell, H.     | xiv. 310     |               | Dean, W.         | xix. 345      | Dwight, T.      | xvii. 333     | Folsom, D.       | xx. 324         |               |              |
| Cook, E.        | xlii. 287    |               | De Angeli,       |               | Eaton, A.       | xiv. 311      | Foot, E.         | xlii. 289       |               |              |
| Cooke, B.       | xlii. 304    |               | P. C. I.         | xli. 277      | Eaton, P.       | xx. 334       | Ford, S.         | xli. 278        |               |              |
| Coolidge, J.    | xlii. 297    |               | Dearborn, G.     | xix. 345      | Earle, R. T.    | xvi. 304      | Forman, S.       | xviii. 325      |               |              |
| Cooper, A. P.   | xlii. 293    |               | Deas, H.         | xix. 345      | Earl, J.        | xix. 345      | Forryth, J.      | xlii. 305       |               |              |
| Cooper, J.      | xviii. 324   |               | De Camp, J.      | xvii. 314     | Eckhard, G. B.  | xvii. 324     | Fosbroke, T. D.  | xiv. 301        |               |              |
| Cooper, R. M.   | xv. 322      |               | De Coudray Hol-  |               | Eddy, J.        | xli. 277      | Foster, G.       | xviii. 325      |               |              |
| Cooper, T.      | xi. 310      |               | stein, H. V.     | xi. 312       |                 |               |                  |                 |               |              |

| Vols.<br>Years. | XI.<br>1940. | XII.<br>1941. | XIII.<br>1942. | XIV.<br>1943. | XV.<br>1944. | XVI.<br>1945.  | XVII.<br>1946. | XVIII.<br>1947. | XIX.<br>1948. | XX.<br>1949. |
|-----------------|--------------|---------------|----------------|---------------|--------------|----------------|----------------|-----------------|---------------|--------------|
|                 | Vol. Page.   |               |                | Vol. Page.    |              |                | Vol. Page.     |                 |               | Vol. Page.   |
| Foster, W.      | xii. 278     |               | Goodall, J.    | xii. 272      |              | Hand, J. W.    | xvi. 317       | Hilliard, M.    | xviii. 337    |              |
| Fowle, R.       | xx. 324      |               | Goodrich, A.   | xiii. 306     |              | Handy, L.      | xv. 312        | Hilliard, T.    | xiv. 314      |              |
| Fowler, S.      | xvi. 316     |               | Gordon, W.     |               |              | Hanover, Q. of | xiv. 296       | Hillyer, A.     | xii. 291      |              |
| Fowler, J.      | xii. 289     |               | W.             | xiv. 312      |              | Hansifrants,   |                | Hinckley, S.    | xii. 291      |              |
| Fox, E. B.      | xiv. 303     |               | Gorham, W.     | xvii. 324     |              | C.             | xii. 278       | Hinckley, S.    | xiii. 308     |              |
| Francis, Dr.    | xlii. 291    |               | Gough, H.      | xviii. 325    |              | Harden, S.     | xiii. 306      | Hinds, T.       | xiii. 298     |              |
| Francis, G. Y.  | xii. 278     |               | Gould, B.      | xiii. 306     |              | Harding, F.    |                | Hinman, R. S.   | xvi. 306      |              |
| Franklin, M.    | xii. 278     |               | Gould, D.      | xiv. 313      |              | A.             | xviii. 336     | Hitchcock, H.   | xi. 313       |              |
| Franklin, W. S. | xi. 303      |               | Gourlay, A.    | xviii. 336    |              | Harewood,      |                | Hitchcock, S.   |               |              |
| Fraser, J.      | xiv. 298     |               | Gove, J.       | xiv. 313      |              | Earl,          | xiv. 300       | J.              | xvii. 325     |              |
| Frazier, W. C.  | xi. 303      |               | Graham, J. A.  | xii. 306      |              | Harlan, C. B.  | xii. 291       | Hoa, A.         | xvi. 317      |              |
| Frederic VI.    | xii. 270     |               | Graham, C. J.  | xii. 290      |              | Harper, W.     | xx. 325        | Hoban, J.       | xviii. 337    |              |
| Frederica       |              |               | Graham, R. H.  | xix. 346      |              | Harris, A.     | xii. 291       | Hobbs, W.       | xx. 336       |              |
| Louisa          | xiv. 296     |               | Graham, W.     |               |              | Harris, J.     | xvii. 324      | Hodges, W. D.   | xii. 291      |              |
| Freeman, R.     | xiv. 312     |               | M.             | xx. 324       |              | Harris, T. M.  | xiv. 313       | Hoffman, W.     | xviii. 325    |              |
| Freeman,        |              |               | Grahame, J.    | xiv. 303      |              | Harris, W. P.  | xvii. 325      | Hogg, T. T.     | xiii. 298     |              |
| W. H.           | xvii. 324    |               | Granger, R.    | xvi. 305      |              | Harris, W. S.  | xx. 335        | Hogg, T.        | xiii. 308     |              |
| French, D.      | xiii. 298    |               | Grant of Lag-  |               |              | Harrison, A.   |                | Holbrook, A.    | xiv. 314      |              |
| French, S.      | xiv. 312     |               | gan, Mrs.      | xi. 296       |              | G.             | xii. 278       | Holland, Lord,  | xiii. 291     |              |
| French, S. T.   | xii. 289     |               | Grant, R.      | xi. 294       |              | Harrison, R.   | xiii. 308      | Holland, P.     | xvi. 317      |              |
| Freud, W.       | xiii. 294    |               | Gray, E. S.    | xiv. 313      |              | Harrison, W.   |                | Holland, W.     | xii. 279      |              |
| Frothingham,    |              |               | Gray, H.       | xviii. 336    |              | H.             | xiii. 306      | Holley, J. M.   | xx. 335       |              |
| J.              | xviii. 335   |               | Grayson, S. M. | xii. 278      |              | Hart, E.       | xiv. 314       | Holley, M. A.   | xix. 347      |              |
| Frick, H.       | xvi. 316     |               | Greely, J.     | xii. 291      |              | Hart, E.       | xviii. 336     | Holman, S.      | xix. 356      |              |
| Fuller, A.      | xviii. 335   |               | Green, C.      | xiii. 306     |              | Hart, R.       | xvi. 317       | Holmes, A.      | xii. 279      |              |
| Fullerton, D.   | xv. 323      |               | Green, E.      | xix. 355      |              | Hartwell, D.   | xvi. 317       | Holmes, J.      | xv. 325       |              |
| Fulton, W. S.   | xvi. 316     |               | Green, J.      | xiii. 306     |              | Harvey, T.     | xiii. 295      | Holmes, O.      | xii. 291      |              |
| Furman, G.      | xvi. 316     |               | Green, J.      | xiv. 313      |              | Harwood, J.    | xix. 356       | Homer, J.       | xv. 325       |              |
| Gair, S. S.     | xix. 355     |               | Green, T. I.   | xvii. 324     |              | Haskell, S.    | xvii. 325      | Hone, W.        | xv. 305       |              |
| Gales, J.       | xiii. 305    |               | Green, T. R.   | xii. 291      |              | Hassler, F. R. | xvi. 305       | Hood, W.        | xii. 292      |              |
| Galitzin, D. A. | xii. 289     |               | Gregory, O.    | xiii. 293     |              | Hastings, J.   | xi. 313        | Hooker, E.      | xviii. 337    |              |
| Gallagher, J.   | xv. 312      |               | Greenleaf, D.  | xi. 313       |              | Hastings, W.   |                | Hook, T. E.     | xiv. 297      |              |
| Gallaudet, P.   |              |               | Greenleaf, S.  | xviii. 325    |              | S.             | xiv. 314       | Hooker, Z.      | xiii. 298     |              |
| W.              | xv. 323      |               | Greenwood, F.  |               |              | Havis, T.      | xiv. 305       | Hopkins, J.     | xiv. 314      |              |
| Galt, J.        | xi. 299      |               | W. P.          | xv. 324       |              | Hawkins, J.    | xiv. 297       | Hopkins, J. D.  | xii. 292      |              |
| Gamba, B.       | xiv. 296     |               | Grierson, J.   | xix. 346      |              | Hawley, J.     | xiv. 314       | Hopkinson, J.   | xiv. 315      |              |
| Gamble, R. S.   | xix. 342     |               | Griffin, D.    | xii. 291      |              | Hayne, R. Y.   | xii. 278       | Hopkinson, S.   |               |              |
| Gardiner, D.    | xvi. 316     |               | Griggs, J.     | xii. 291      |              | Hayne, W. E.   | xvii. 315      | E.              | xiv. 297      |              |
| Gardiner, F.    | xix. 355     |               | Griswold, A.   |               |              | Haynes, A.     | xiv. 314       | Hornbeck, J.    |               |              |
| Garnett, J. M.  | xv. 323      |               | V.             | xv. 324       |              | Haynes, T.     | xiv. 314       | W.              | xx. 335       |              |
| Garrard, J.     | xi. 303      |               | Griswold, M.   | xii. 291      |              | Hays, A.       | xvi. 306       | Horton, R. J.   |               |              |
| Garretson, J.   | xiv. 312     |               | Griswold, M.   | xiv. 313      |              | Hayward, N.    | xx. 335        | W.              | xiii. 295     |              |
| Garrett, H. A.  | xvi. 316     |               | Grundy, F.     | xiii. 298     |              | Hazard, B.     | xiii. 308      | Horse, O.       | xiv. 315      |              |
| Garrow, N.      | xiii. 306    |               | Guion, J. W.   | xii. 291      |              | Hazledine, W.  | xiii. 292      | Hoskins, C.     | xix. 347      |              |
| Garrow, Sir     |              |               | Gustine, A.    | xvi. 317      |              | Hedge, B.      | xii. 291       | Hosmer, R.      | xi. 313       |              |
| W.              | xiii. 291    |               | Guyon, J.      | xviii. 336    |              | Hedge, L.      | xvi. 317       | Hotchkiss, F.   |               |              |
| Gaselee, Sir S. | xii. 272     |               | Gwin, S.       | xi. 303       |              | Hemphill, J.   | xiv. 314       | W.              | xvi. 317      |              |
| Gaston, W.      | xvi. 316     |               | Gwinup, J.     | xv. 324       |              | Henderson, J.  | xiii. 308      | Houghton, D.    | xviii. 325    |              |
| Gay, E.         | xiv. 312     |               |                |               |              | Henderson, P.  | xv. 312        | Hovey, S.       | xii. 292      |              |
| Gay, G.         | xvi. 305     |               | Habersham, R.  |               |              | Henley, R.     | xiii. 293      | Howard, G.      | xviii. 337    |              |
| Gay, S.         | xix. 355     |               | W.             | xv. 312       |              | Henry,         | xix. 346       | Hoxie, S.       | xii. 279      |              |
| Gerstner, F. A. | xii. 290     |               | Hagan, J.      | xv. 324       |              | Henry, L. D.   | xviii. 336     | Hubbard, H.     |               |              |
| Gibbs, D.       | xii. 290     |               | Hagner, T. H.  | xx. 335       |              | Hereford, J.   | xviii. 337     | C.              | xiii. 308     |              |
| Gilbert,        | xvi. 317     |               | Haight, T. G.  | xx. 325       |              | Herkimer, J.   | xvii. 325      | Hubbard, S.     | xx. 325       |              |
| Gilbert, E.     | xiii. 306    |               | Hail, C.       | xi. 313       |              | Herrick, E.    | xi. 313        | Hughes, E.      | xvii. 325     |              |
| Gilbert, J. D.  | xii. 270     |               | Hale, S.       | xiv. 313      |              | Herrick, R.    |                | Hull, I.        | xv. 325       |              |
| Gilbert, D.     | xv. 312      |               | Hale, W.       | xvii. 315     |              | P.             | xviii. 337     | Humann,         | xiv. 302      |              |
| Giles, J.       | xviii. 335   |               | Hall, F.       | xv. 325       |              | Herrick, S.    | xiv. 305       | Humphreys,      |               |              |
| Gillespie, W.   | xiii. 306    |               | Hall, J.       | xx. 335       |              | Herschell, S.  | xv. 305        | S.              | xviii. 337    |              |
| Glimes, T. W.   | xvi. 317     |               | Hall, J.       | xii. 291      |              | Hersey, R.     | xviii. 325     | Hunt, J.        | xiii. 308     |              |
| Glipin, T. W.   | xx. 335      |               | Hall, P.       | xiv. 313      |              | Hetzel, A. B.  | xix. 356       | Hunt, L.        | xv. 326       |              |
| Gittings, T.    | xx. 324      |               | Hallet, G.     | xvii. 324     |              | Hewes, G. R.   |                | Huntington,     |               |              |
| Glascock, T.    | xiii. 306    |               | Halliday, A.   | xii. 289      |              | T.             | xiii. 298      | G.              | xiv. 315      |              |
| Gleig, G.       | xii. 271     |               | Hallowell, J.  | xi. 313       |              | Hickey, T. M.  | xv. 312        | Huntington,     |               |              |
| Glover, S.      | xiv. 312     |               | Halsey, J. T.  | xiv. 313      |              | Hicks, Z.      | xiv. 314       | H.              | xiv. 315      |              |
| Goddard, C.     | xiv. 312     |               | Halsey, W.     | xvi. 305      |              | Higgins, D.    | xiv. 314       | Huntington, J.  |               |              |
| Goddard, W.     |              |               | Halsted, J. S. | xvi. 317      |              | Hildreth, W.   | xii. 279       | W.              | xx. 325       |              |
| G.              | xviii. 336   |               | Hamer, T. L.   | xix. 346      |              | Hill, J.       | xix. 356       | Hurd, J.        | xiv. 315      |              |
| Goin, T.        | xix. 355     |               | Hamilton, T.   | xv. 306       |              | Hill, M. L.    | xv. 312        | Hurlburt, K.    | xx. 325       |              |
| Going, J.       | xvii. 315    |               | Hammond, C.    | xii. 291      |              | Hill, R.       | xv. 306        | Hussey, J.      | xii. 280      |              |
| Goldaborough,   |              |               | Hammond, S.    | xiv. 313      |              | Hillhouse, J.  |                | Hutchins, S.    | xviii. 337    |              |
| C. W.           | xvi. 305     |               | Hand, D.       | xii. 291      |              | A.             | xiii. 308      | Hutchinson, E.  | xv. 313       |              |

| Vol.<br>Years.   | XI.<br>1840. | XII.<br>1841. | XIII.<br>1842.  | XIV.<br>1843. | XV.<br>1844.    | XVI.<br>1845. | XVII.<br>1846.  | XVIII.<br>1847. | XIX.<br>1848. | XX.<br>1849. |
|------------------|--------------|---------------|-----------------|---------------|-----------------|---------------|-----------------|-----------------|---------------|--------------|
|                  | Vol. Page.   |               |                 | Vol. Page.    |                 |               | Vol. Page.      |                 |               | Vol. Page.   |
| Hutchinson, S.   | xiii. 299    |               | Kent, J.        | xii. 292      | Lenox, R.       | xii. 280      | Maret, H. B.    | xi. 301         |               |              |
| Huxford, W.      | xiv. 315     |               | Kent, J.        | xx. 326       | Lent, I.        | xix. 356      | Mark, Z.        | xliii. 299      |               |              |
| Hybart, T. L.    | x. 356       |               | Kent, W. A.     | xii. 292      | Leonard, A.     | xvii. 327     | Marsh, H.       | xi. 300         |               |              |
|                  |              |               | Kerr, J. L.     | xvi. 318      | Leonard, J.     | xii. 280      | Marsh, J.       | xiv. 317        |               |              |
| Ingersoll, J.    | xii. 292     |               | Key, F. S.      | xv. 326       | Le Poer Trench, |               | Marshall, J. E. | xi. 304         |               |              |
| Ingersoll, J.    | xiii. 299    |               | Keyes, J.       | xvi. 318      | P.              | xi. 299       | Marshall, J.    | xiii. 291       |               |              |
| Ingersoll, W. J. | xii. 280     |               | Kibby, E.       | xii. 280      | Leftwich, J.    | xviii. 338    | Marshall, J.    |                 |               |              |
| Ingraham, J.     |              |               | Kidd, S.        | xv. 307       | Le Roy, H.      | xiii. 310     | J.              | xviii. 338      |               |              |
| W.               | xx. 335      |               | Kincaid, M.     | xi. 304       | Lewis, A.       | xiv. 317      | Marshall, J. M. | xx. 335         |               |              |
| Inman, H.        | xviii. 337   |               | Kingsbury,      |               | Lewis, A. J.    | xv. 313       | Marshall, T.    | xiv. 317        |               |              |
| Ivory, J.        | xv. 304      |               | Judge           | xx. 327       | Lewis, I.       | xii. 295      | Marston, J.     | xix. 348        |               |              |
| Irvin, W.        | xi. 313      |               | Kingsley,       | xii. 280      | Lewis, L.       | xii. 281      | Martin, F. X.   | xix. 348        |               |              |
| Irvin, W. W.     | xiv. 315     |               | Kingsley, R.    | xviii. 338    | Lewis, Z.       | xiii. 299     | Martin, J.      | xv. 327         |               |              |
| Irvine, C.       | xiii. 309    |               | Kirby, R. M.    | xv. 313       | Lewis, M.       | xvi. 318      | Martin, J. L.   | xx. 336         |               |              |
| Irwin, A. J.     | xix. 356     |               | Kirkland, J.    | xvi. 318      | Liddiard, W.    | xiv. 299      | Martinez, F. P. | xli. 296        |               |              |
| Irwin, D. S.     | xix. 347     |               | Kirkland, J. T. | xii. 292      | Lieven, Prince  | xi. 295       | Mason, E. P.    | xliii. 299      |               |              |
| Irwin J.         | xi. 304      |               | Kirkpatrick,    | xi. 313       | Lillie, J. S.   | xiv. 317      | Mason, J.       | xi. 315         |               |              |
|                  |              |               | Kirtland, T.    | xvii. 315     | Lincoln, G.     | xix. 356      | Mason, J. M.    | xli. 281        |               |              |
| Jackson, A.      | xvii. 325    |               | Knapp, J.       | xv. 326       | Lincoln, R.     | xiv. 317      | Mason, S. T.    | xv. 327         |               |              |
| Jackson, H.      | xii. 292     |               | Knight, D.      | xi. 314       | Lindsey, W.     | xi. 304       | Mason, T. F.    | xi. 304         |               |              |
| Jackson, I. R.   | xiv. 315     |               | Knight, J.      | xiv. 316      | Lindsey, A.     | xiv. 305      | Mastin, W.      |                 |               |              |
| Jackson, J. E.   | xiv. 297     |               | Knight, N.      | xvii. 327     | Linn, L. F.     | xvi. 306      | J.              | xviii. 326      |               |              |
| Jacob, E.        | xiv. 301     |               | Knower, B.      | xi. 314       | Linn, J.        | xiii. 310     | Matlack, J.     | xii. 296        |               |              |
| James, A.        | xvii. 326    |               | Kollock, S.     | xi. 314       | Linn, J.        | xiv. 305      | Matthews, V.    | xix. 348        |               |              |
| James, E.        | xv. 326      |               |                 |               | Linnæus, L.     | xi. 295       | Mattocks, J.    | xix. 356        |               |              |
| Jameson, D.      | xii. 280     |               | Lacy, J.        | xii. 294      | Linsley, J. H.  | xvi. 306      | Maturin, H.     | xiv. 301        |               |              |
| Jamieson, J.     | xi. 294      |               | Ladd, W.        | xiii. 309     | Lippitt, C.     | xvii. 327     | Maury, A. P.    | xx. 336         |               |              |
| Jarvis, J. W.    | xii. 292     |               | Lambert, A. B.  | xiv. 301      | Litchfield, F.  | xvii. 315     | Maury, J.       | xii. 296        |               |              |
| Jay, P. A.       | xv. 326      |               | Lamborn, J.     | xix. 356      | Livingston, E.  | xii. 295      | May, F.         | xix. 357        |               |              |
| Jean, J.         | xiii. 309    |               | Lambton, J.     |               | Livingston, E.  |               | May, G. W.      | xvii. 328       |               |              |
| Jenkins, J. J.   | xvii. 327    |               | G.              | xiii. 289     | P.              | xvi. 306      | May, J.         | xiii. 311       |               |              |
| Jenkinson, J.    |              |               | Lancaster, J.   | xi. 304       | Livingston, P.  |               | Mayer, C.       | xv. 314         |               |              |
| B.               | xiii. 289    |               | Landman, J.     | xiii. 310     | R.              | xix. 356      | Mayer, H. C.    | xviii. 339      |               |              |
| Jennison, W.     | xvi. 306     |               | Larcum, M.      | xi. 314       | Logan, D.       | xi. 315       | Mayhew, W.      | xiii. 299       |               |              |
| Jolly, A.        | xi. 294      |               | Larned, S.      | xix. 356      | Lomax, M. P.    | xiv. 317      | Maynard, N.     | xvii. 315       |               |              |
| Jolly, H.        | xiv. 315     |               | Lascelles, R.   | xiv. 296      | Long-Kiewa,     | xii. 290      | Maxcy, V.       | xvii. 319       |               |              |
| Jones, D.        | xix. 347     |               | Laskey, M.      | xiv. 298      | Longley, E.     | xv. 313       | Maxwell, J. P.  |                 |               |              |
| Jones, E.        | xiii. 309    |               | Lathrop, S.     | xviii. 338    | Looker, O.      | xvii. 328     | B.              | xviii. 326      |               |              |
| Jones, S.        | xiv. 316     |               | Latour, A.      | xli. 280      | Lorimer, G. S.  |               | McAlpine, G.    | xlii. 311       |               |              |
| Jones, T. K.     | xiv. 316     |               | Lauderdale,     |               | F.              | xii. 281      | McArthur, J.    | xlii. 290       |               |              |
| Johnson, F.      | xiv. 315     |               | Earl of         | xli. 269      | Loring, I.      | xv. 327       | McClellan, G.   | xix. 357        |               |              |
| Johnson, J.      | xix. 347     |               | Laurence, R.    | xi. 297       | Loudon, J.      | xiii. 310     | McClure, C.     | xviii. 339      |               |              |
| Johnson, N.      | xi. 313      |               | Law, J. O.      | xix. 356      | Lowell, J.      | xii. 295      | McClure, D.     | xiv. 317        |               |              |
| Johnson, J. E.   | xi. 304      |               | Law, L.         | xiv. 316      | Lowndes, T.     | xv. 327       | McClure, S.     | xviii. 326      |               |              |
| Johnson, S.      |              |               | Lawrence, I.    | xiii. 310     | Lucas, J. B. C. | xv. 313       | McConnell, F.   |                 |               |              |
| W.               | xix. 347     |               | Lawrence, J.    | xi. 300       | Ludlow, C.      | xii. 281      | G.              | xviii. 339      |               |              |
| Johnson, W.      | xii. 280     |               | Lawrence, J.    | xiv. 316      | Lundy, B.       | xii. 281      | McCornish, A.   |                 |               |              |
| Johnson, W.      | xx. 335      |               | Lawrence, L.    | xi. 314       | Lydnor, F.      | xii. 296      | T.              | xiii. 311       |               |              |
| Johnston, S.     | xvi. 306     |               | Lawrence, P.    |               | Lyford, F.      | xviii. 338    | McCullough,     |                 |               |              |
| Johnston, W.     |              |               | K.              | xiii. 310     | Lyman, J.       | xx. 327       | W.              | xii. 296        |               |              |
| S.               | xii. 280     |               | Lawrence, W.    | xvii. 327     | Lyman, T.       | xi. 315       | McDearman, J.   |                 |               |              |
| Jose, L. D.      | xv. 313      |               | Lawton, C. W.   | xi. 304       | Lyon, A.        | xiii. 310     | H.              | xx. 336         |               |              |
| Julick, A. J.    | xiv. 316     |               | Lear, W. W.     | xix. 347      | Lytle, R. T.    | xii. 281      | McDonald,       |                 |               |              |
| Kaighn, J.       | xiii. 309    |               | Leaming, J.     | xi. 314       | Macaulay, Z.    | xi. 294       | W.              | xvii. 328       |               |              |
| Kane, E.         | xiii. 299    |               | Lederer, L.     | xv. 313       | Macclure, W.    | xii. 296      | McDougal, A.    | xlii. 311       |               |              |
| Kapocsany, A.    |              |               | Le Duc, M. P.   | xiv. 316      | Maccomb, A.     | xiii. 310     | McElroy, J.     | xlii. 311       |               |              |
| de               | xi. 295      |               | Lee, E. I.      | xv. 326       | Macomber, W.    | xv. 327       | McFadden,       |                 |               |              |
| Kearney, J. A.   | xx. 325      |               | Lee, G.         | xiii. 310     | Macrery, A.     | xvi. 306      | Mr.             | xlii. 299       |               |              |
| Kavanagh, E.     | xvi. 318     |               | Lee, M. A.      | xiv. 316      | Maginn, W.      | xv. 304       | McGeldart, I.   | xi. 304         |               |              |
| Keene, R. R.     | xii. 280     |               | Lee, R.         | xiv. 316      | Magruder, R.    |               | McGregor, E.    |                 |               |              |
| Keith, R.        | xv. 313      |               | Lee, S.         | xii. 280      | B.              | xvi. 319      | J. M.           | xiv. 296        |               |              |
| Kell, T.         | xviii. 337   |               | Lee, T.         | xii. 280      | Mahmoud II.     | xi. 301       | McGuinn, S.     | xvii. 328       |               |              |
| Kellogg, E.      | xix. 347     |               | Lee, W.         | xii. 294      | Mairs, G.       | xiv. 303      | McIntosh,       | xx. 327         |               |              |
| Kelly, P.        | xv. 303      |               | Leet, L.        | xvi. 318      | Mann, J.        | xvi. 307      | McKavett, H.    | xix. 347        |               |              |
| Kenan, T.        | xvi. 306     |               | Le Forge, H.    | xi. 314       | Manning, A.     |               | McKean, S.      | xii. 296        |               |              |
| Kendall, J.      | xvii. 315    |               | Legaré, H. S.   | xv. 326       | W.              | xix. 356      | McKean, S.      | xiv. 306        |               |              |
| Kendall, J. G.   | xx. 326      |               | Leggett, A.     | xiv. 316      | Manning, T.     | xii. 272      | McKenney, W.    |                 |               |              |
| Kennedy, A.      | xx. 326      |               | Leggett, W.     | xi. 314       | Manning, J.     | xiv. 305      | E.              | xi. 315         |               |              |
| Kennedy, E.      |              |               | Leland, A.      | xix. 347      | Manouvrier,     |               | McKizick, J.    | xx. 336         |               |              |
| P.               | xvi. 318     |               | Leland, J.      | xiii. 310     | G. P.           | xix. 356      | McLean, L. E.   |                 |               |              |
| Kennedy, J.      | xviii. 338   |               | Leland, J. D.   | xix. 356      | Marble, H.      | xiii. 311     | L.              | xi. 295         |               |              |
| Kennison, J.     | xlii. 299    |               | Lemell, E.      | xii. 280      | Marchand, A.    |               | McLean, W.      | xii. 281        |               |              |
| Kennon, B.       | xvi. 318     |               | Lenoir, W.      | xi. 314       | G.              | xx. 335       | McLeod, J.      | xix. 348        |               |              |

| Vols.<br>Years.   | XI.<br>1940. | XII.<br>1941.   | XIII.<br>1942. | XIV.<br>1943.    | XV.<br>1944. | XVI.<br>1945.   | XVII.<br>1946. | XVIII.<br>1947. | XIX.<br>1948. | XX.<br>1949. |
|-------------------|--------------|-----------------|----------------|------------------|--------------|-----------------|----------------|-----------------|---------------|--------------|
|                   | Vol. Page.   |                 |                | Vol. Page.       |              |                 | Vol. Page.     |                 |               | Vol. Page.   |
| McMahon, W.       | xiii. 311    | Munson, E.      | xiv. 318       | Otto, J. C.      | xvii. 329    | Pickering, J.   | xviii. 341     |                 |               |              |
| McNevin, W. J.    | xiii. 311    | Munson, I.      | xvi. 320       | Otter, W.        | xiii. 290    | Pickman, B.     | xv. 323        |                 |               |              |
| McPheeters, W.    | xv. 314      | Munster, Earl.  | xiv. 302       | Overbaugh, P.    | xv. 320      | Pierce, B.      | xi. 315        |                 |               |              |
| McPherson, C.     | xiv. 317     | Munyan, O.      | xiv. 318       | Owen, J.         | xiii. 312    | Pierpont, J. H. | xi. 315        |                 |               |              |
| McPheters, J. A.  | xx. 336      | Murat, C. L. N. |                | Owens, J.        | xv. 328      | Pinckney, H.    | xx. 338        |                 |               |              |
| McRoberts, S.     | xv. 327      | A.              | xix. 357       |                  |              | Pintard, J.     | xvi. 321       |                 |               |              |
| McSherry, W.      | xii. 281     | Murphy, J.      | xiii. 312      | Packard, A.      | xv. 328      | Pipher, S.      | xiii. 312      |                 |               |              |
| Mellen, G.        | xiii. 311    | Murray, D.      | xiv. 318       | Paer, F.         | xi. 300      | Pitkin, T.      | xx. 327        |                 |               |              |
| Mellen, J.        | xii. 281     | Murray, J.      | xv. 308        | Paganini, Bar-   |              | Pitts, W.       | xii. 272       |                 |               |              |
| Mellen, P.        | xiii. 299    | Mussey, J. F.   | xviii. 340     | on,              | xii. 273     | Pleasants, J.   |                |                 |               |              |
| Melville, G.      | xviii. 339   | Myrick, S.      | xii. 281       | Page, D. P.      | xx. 336      | H.              | xviii. 341     |                 |               |              |
| Menefee, R. H.    | xiii. 311    | Nancrode, J.    | xiv. 305       | Palme, E.        | xiii. 312    | Plimley, H.     | xiv. 320       |                 |               |              |
| Mercein, T. R.    | xvi. 307     | Nares, E.       | xiv. 297       | Palfrey, J.      | xvi. 307     | Plumb, W.       | xv. 328        |                 |               |              |
| Mercer, W.        | xii. 281     | Nasmith, A.     | xii. 272       | Palmer, D.       | xiii. 300    | Poisson, M.     | xii. 272       |                 |               |              |
| Merrill, B.       | xix. 357     | Neal, J. C.     | xix. 357       | Palmer, J.       | xvii. 329    | Polke, W.       | xv. 328        |                 |               |              |
| Merritt, T.       | xiv. 317     | Nelson, J.      | xi. 304        | Park, C.         | xix. 358     | Pomeroy, J.     | xvi. 321       |                 |               |              |
| Merwin, S. C.     | xii. 281     | Nettleton, A.   | xvi. 320       | Park, J. A.      | xi. 296      | Pomeroy, S.     |                |                 |               |              |
| Middleton, H.     | xviii. 339   | Neville, M.     | xi. 315        | Park, J. T.      | xi. 304      | Pomeroy, W.     | xix. 358       |                 |               |              |
| Millen, J.        | xvi. 307     | Newcomb, K.     | xii. 296       | Parker, D.       | xviii. 340   | Pomet, J.       | xi. 315        |                 |               |              |
| Miller, J.        | xviii. 339   | Newell, F.      | xiii. 312      | Parker, J.       | xiii. 312    | Porter, A.      | xvi. 321       |                 |               |              |
| Miller, J. J.     | xii. 281     | Newman, S. P.   | xiv. 318       | Parker, J. L.    | xix. 358     | Porter, D.      | xv. 328        |                 |               |              |
| Miller, J. P.     | xix. 357     | Newman, G. H.   | xix. 357       | Parker, J. W.    | xix. 358     | Porter, P. B.   | xvi. 321       |                 |               |              |
| Miller, T.        | xviii. 326   | Newton, T.      | xix. 357       | Parker, R. E.    | xiii. 300    | Porter, R. K.   | xiv. 303       |                 |               |              |
| Millhouse, R.     | xi. 299      | Neveling, G.    |                | Parker, R. E.    | xiii. 300    | Porter, S.      | xiii. 312      |                 |               |              |
| Mills, I.         | xv. 327      | W.              | xvi. 320       | Parkhurst, B.    | xv. 314      | Porterfield, R. | xv. 329        |                 |               |              |
| Mills, M.         | xiv. 318     | Nibbi, Prof.    | xii. 270       | Parkhurst, P.    | xvii. 316    | Potter, M.      | xiii. 313      |                 |               |              |
| Milnor, J.        | xvii. 328    | Nicholl, J.     | xi. 295        | Parris, S.       | xx. 327      | Potter, W. W.   | xii. 282       |                 |               |              |
| Miner, A.         | xiii. 311    | Nicholls, T. C. | xix. 358       | Parrish, J.      | xii. 297     | Power, Rev.     |                |                 |               |              |
| Miner, P.         | xii. 281     | Nicholson, J.   |                | Patin, V.        | xii. 282     | Dr.             | xx. 328        |                 |               |              |
| Miner, T.         | xiii. 311    | B.              | xix. 349       | Patten, W.       | xi. 315      | Powers, G.      | xiii. 313      |                 |               |              |
| Molleson, G. P.   | xvi. 319     | Niemcewicz, J.  |                | Patterson, D. T. | xi. 315      | Pozzo di Borgo, |                |                 |               |              |
| Moncey, Mar-      | xiv. 302     | U.              | xiii. 294      | Patterson, M.    |              | Count,          | xiv. 301       |                 |               |              |
| Moni, Abbé,       | xiv. 318     | Nims, E.        | xviii. 340     | C.               | xviii. 341   | Praed, W. M.    | xii. 269       |                 |               |              |
| Monson, Lord,     | xiv. 298     | Noble, P.       | xii. 296       | Patterson, W.    | xiv. 320     | Pratt, J. J.    | xiii. 291      |                 |               |              |
| Montgomery, G. W. | xiii. 311    | Nordheimer, I.  | xv. 314        | Paxson, S. A.    | xix. 358     | Pray, P. R. R.  | xii. 297       |                 |               |              |
| Monzani, T.       | xi. 301      | Norfolk, Duke   |                | Paynter, S.      | xviii. 327   | Preble, E.      | xv. 314        |                 |               |              |
| Moody, L.         | xviii. 340   | of,             | xiv. 302       | Payson, H.       | xviii. 327   | Prescott, E. G. | xvi. 321       |                 |               |              |
| Moor, M.          | xii. 296     | North, C.       | xiii. 300      | Peabody, D.      | xii. 282     | Prescott, W.    | xvii. 317      |                 |               |              |
| Moore, H. A.      | xvi. 319     | North, T.       | xiv. 316       | Peabody, J.      | xvi. 320     | Preston, J. P.  | xv. 329        |                 |               |              |
| Moore, J.         | xx. 336      | Norton, A. H.   | xix. 349       | Peabody, J. A.   | xii. 282     | Preston, W.     | xiv. 320       |                 |               |              |
| Moore, T.         | xiv. 318     | Norton, M.      | xii. 297       | Peabody, O. W.   |              | Price, J.       | xii. 297       |                 |               |              |
| Morell, G.        | xvii. 328    | Northrop, I.    | xiii. 312      | B.               | xx. 336      | Pridgeon, W.    | xviii. 327     |                 |               |              |
| Morgan, W. A.     | xiv. 318     | Nott, G. F.     | xiv. 299       | Peabody, W. B.   |              | Prince, J.      | xx. 328        |                 |               |              |
| Morison, J.       | xiii. 287    | Nourrit, A.     | xi. 298        | O.               | xix. 358     | Prince, W.      | xiv. 320       |                 |               |              |
| Morrill, I.       | xi. 315      | Nourse, J.      | xiii. 312      | Pearce, W.       | xiii. 300    | Pringle, J. J.  | xv. 329        |                 |               |              |
| Morris, C. F.     | xx. 327      | Noyes, J.       | xviii. 340     | Pease, C.        | xii. 282     | Pringle, J. R.  | xii. 297       |                 |               |              |
| Morris, C. W.     | xix. 349     | Nurse, B.       | xiii. 312      | Pease, L. W.     | xii. 282     | Prioleau, S.    | xi. 316        |                 |               |              |
| Morris, H.        | xv. 314      | Odell, J. C.    | xii. 297       | Pegram, J. W.    | xvii. 316    | Proctor, J.     | xii. 282       |                 |               |              |
| Morris, J.        | xvi. 319     | Offley, D. W.   | xix. 349       | Peirce, J. R.    | xiv. 320     | Proffit, G. H.  | xx. 328        |                 |               |              |
| Morris, L. N.     | xix. 349     | Ogden, A.       | xi. 315        | Pendleton, M.    | xvi. 320     | Prony, Baron    |                |                 |               |              |
| Morris, M.        | xii. 281     | Ogden, O. W.    | xii. 281       | Pendleton, W.    |              | de,             | xii. 269       |                 |               |              |
| Morris, S. W.     | xix. 357     | Ogden, T. L.    | xvii. 315      | M.               | xv. 314      | Proudfit, A.    | xv. 329        |                 |               |              |
| Morris, T.        | xvii. 315    | Ogle, C.        | xiii. 312      | Pennybacker,     |              | Purkitt, H.     | xviii. 341     |                 |               |              |
| Morse, A.         | xvi. 307     | Olbers, H. W.   |                | I. S.            | xix. 358     | Purnell, L.     | xix. 350       |                 |               |              |
| Morse, C.         | xviii. 340   | M.              | xii. 271       | Perkins, A.      | xv. 314      |                 |                |                 |               |              |
| Morse, J.         | xiv. 318     | Olds, J.        | xix. 358       | Perkins, E.      | xiv. 320     | Quarles, A.     | xx. 328        |                 |               |              |
| Morton, J.        | xiv. 318     | Oliver, D.      | xiv. 318       | Perkins, N.      | xiv. 320     | Quin, M. J.     | xv. 306        |                 |               |              |
| Morton, J.        | xix. 357     | Olsted, D.      | xiv. 319       | Perkins, S.      | xvii. 341    |                 |                |                 |               |              |
| Morton, S.        | xii. 296     | Olsted, G.      | xvii. 340      | Peters, A.       | xii. 297     | Radcliff, T.    | xiii. 295      |                 |               |              |
| Moseley, J. O.    | xii. 281     | Ondayaka,       | xii. 281       | Petersen, J. D.  | xx. 336      | Rafinesque, P.  |                |                 |               |              |
| Mosher, J.        | xvii. 328    | Orleans, Duke   |                | Peterson, L.     | xiv. 320     | Ragan, E. S.    | xiv. 306       |                 |               |              |
| Mountain, Mrs.    | xiv. 297     | Orleans, Duke   |                | Peyton, J. H.    | xviii. 327   | Raguet, C.      | xiv. 321       |                 |               |              |
| Mudie, R.         | xiv. 302     | Orne, W. H.     | xiv. 320       | Phelps, A. A.    | xix. 358     | Ramsay, W.      | xvii. 320      |                 |               |              |
| Muhlenburg, H. A. | xvi. 340     | Orr, I.         | xvi. 320       | Phelps, E.       | xix. 358     | Ramsay, W. S.   | xiii. 309      |                 |               |              |
| Munroe, J. A.     | xviii. 340   | Orrick, G.      | xii. 297       | Phifer, J.       | xviii. 327   | Randall, A.     | xviii. 341     |                 |               |              |
|                   |              | Osgood, I.      | xx. 327        | Philbrick, A.    | xiii. 312    | Rapp, G.        | xix. 358       |                 |               |              |
|                   |              | Ostrander, D.   | xvi. 307       | Phillips, T.     | xiv. 299     | Rauch, F. A.    | xiii. 331      |                 |               |              |
|                   |              | Otis, L.        | xi. 304        | Phillips, H. T.  | xiv. 320     | Raymond, J.     | xiv. 321       |                 |               |              |
|                   |              | Otis, M.        | xiv. 320       | Phillips, J.     | xi. 304      | Read, A. H.     | xvi. 307       |                 |               |              |
|                   |              | Otis, W. S.     | xii. 281       | Phillips, R.     | xiii. 287    | Read, L.        | xiii. 313      |                 |               |              |
|                   |              |                 |                | Phillips, T.     | xii. 297     | Read, W.        | xvii. 329      |                 |               |              |

| Vol.<br>Years,   | XI.<br>1846, | XII.<br>1841, | XIII.<br>1842,  | XIV.<br>1843, | XVI.<br>1844,   | XV.<br>1845, | XVII.<br>1846,  | XVIII.<br>1847, | XIX.<br>1848, | XX.<br>1849. |
|------------------|--------------|---------------|-----------------|---------------|-----------------|--------------|-----------------|-----------------|---------------|--------------|
| Vol. Page.       |              |               |                 | Vol. Page.    |                 |              | Vol. Page.      |                 |               | Vol. Page.   |
| Reed, I. G.      | xix. 358     |               | Rutherford, J.  | xii. 298      | Simon, M.       | xi. 317      | Sterling, M.    | xvi. 322        |               |              |
| Reed, J.         | xv. 329      |               | Rutledge, H.    |               | Simons, S.      | xix. 359     | Stevens, Mrs.   | xiii. 314       |               |              |
| Reed, N.         | xiii. 300    |               | M.              | xvi. 321      | Simonson, I.    | xii. 282     | Stevens, S.     | xvii. 319       |               |              |
| Reeder, A.       | xiv. 306     |               | Ryalls, H.      | xi. 306       | Simonton, I.    |              | Stevens, T. H.  | xiii. 314       |               |              |
| Reeside, J.      | xiv. 321     |               |                 |               | P.              | xiv. 322     | Stevenson,      |                 |               |              |
| Reid, R. R.      | xiii. 313    |               | Sackett, B.     | xii. 298      | Simonton, W.    | xviii. 342   | C. L.           | xii. 298        |               |              |
| Rennell, T.      | xix. 358     |               | Saffold, R.     | xx. 337       | Simpkins, J.    | xv. 330      | Stevenson, J.   | xix. 351        |               |              |
| Revere, J.       | xix. 358     |               | Saffold, R.     | xx. 337       | Simpson, T.     | xiii. 289    | Stewart, J.     | xviii. 342      |               |              |
| Reynolds, J.     | xiii. 300    |               | Saltonstall, A. | xiv. 306      | Sims, E. D.     | xvii. 332    | Stewart, W.     | xi. 318         |               |              |
| Reynolds, J.     | xiii. 314    |               | Saltonstall, L. | xvii. 330     | Singleton, H.   | xii. 270     | Stewart, Z.     | xvi. 308        |               |              |
| Reynolds, T.     | xvi. 321     |               | Sanborn, T.     | xiv. 321      | Siamondi,       |              | Stillwell, G.   | xv. 331         |               |              |
| Rhoades, F.      | xix. 350     |               | Sanderson, J.   | xvi. 321      | J. S. de,       | xiv. 303     | Stockton, T.    | xviii. 343      |               |              |
| Richards, J.     | xiv. 321     |               | Sanford, N.     | xi. 305       | Smith, C.       | xii. 282     | Stone, B.       | xix. 351        |               |              |
| Richards, J.     | xv. 329      |               | Sanford, W. T.  | xiv. 321      | Smith, D.       | xviii. 342   | Stone, D.       | xviii. 343      |               |              |
| Richardson, D.   | xiv. 321     |               | Santander, F.   |               | Smith, E.       | xii. 282     | Stone, H. D.    | xiii. 314       |               |              |
| Richsonville, J. |              |               | de P.           | xii. 273      | Smith, E. K.    | xx. 328      | Stone, L.       | xiv. 323        |               |              |
| B.               | xiii. 313    |               | Sargent, D.     | xiv. 321      | Smith, J. C.    | xviii. 327   | Stone, W.       | xii. 298        |               |              |
| Rickman, J.      | xiii. 290    |               | Saunders, A.    |               | Smith, J.       | xi. 317      | Stone, W. L.    | xvi. 322        |               |              |
| Riddle, T.       | xiii. 301    |               | B.              | xiv. 321      | Smith, J.       | xii. 298     | Storms, A.      | xiv. 323        |               |              |
| Ridge, J.        | xi. 317      |               | Saunders, P.    | xi. 298       | Smith, J.       | xii. 298     | Story, B.       | xx. 328         |               |              |
| Ridgeway, J.     | xv. 289      |               | Saurin, W.      | xi. 298       | Smith, J.       | xv. 316      | Story, J.       | xvii. 332       |               |              |
| Ridgely, C. G.   | xx. 336      |               | Savage, J. H.   | xvi. 308      | Smith, J.       | xvi. 322     | Stow, J.        | xv. 316         |               |              |
| Ridgely, H. M.   | xix. 358     |               | Sawtell, J.     | xiv. 321      | Smith, J. H.    | xx. 328      | St. John, S.    | xvii. 319       |               |              |
| Ridgely, R.      | xix. 350     |               | Sawyer, N.      |               | Smith, J. K.    | xiv. 322     | Street, J. M.   | xii. 299        |               |              |
| Rigaud, S. P.    | xi. 298      |               | L.              | xviii. 327    | Smith, Sir L.   | xiv. 301     | Streeter, S.    | xvii. 330       |               |              |
| Riker, R.        | xv. 315      |               | Sawyer, S.      | xiv. 321      | Smith, L.       | xiv. 322     | Strong, J.      | xix. 359        |               |              |
| Riley, J.        | xii. 297     |               | Schinkel, C.    |               | Smith, O.       | xviii. 328   | Stuffebean, J.  | xvi. 322        |               |              |
| Riley, J.        | xiv. 321     |               | F.              | xiv. 299      | Smith, R.       | xv. 316      | Stuffs, L. B.   | xvi. 323        |               |              |
| Ringold, S.      | xviii. 342   |               | Schley, J.      | xix. 359      | Smith, S.       | xi. 317      | Stuyvesant,     |                 |               |              |
| Ripley, E.       | xiii. 313    |               | Schoolcraft, L. | xii. 298      | Smith, S.       | xiv. 322     | P. G.           | xix. 359        |               |              |
| Ripley, E. W.    | xi. 317      |               | Scott, J.       | xi. 317       | Smith, S. H.    | xviii. 328   | Sullivan, W.    | xi. 318         |               |              |
| Rives, R.        | xvii. 329    |               | Scott, J.       | xii. 282      | Smith, W.       | xii. 298     | Summers, L.     | xvi. 309        |               |              |
| Rivington, J.    | xiv. 300     |               | Scott, M.       | xx. 328       | Smith, Sir      |              | Summer, C. P.   | xi. 319         |               |              |
| Roane, W. H.     | xvii. 329    |               | Scott, R. B.    | xiv. 299      | W. S.           | xiii. 288    | Sumter, T.      | xii. 299        |               |              |
| Robards, W.      | xiv. 321     |               | Seaver, E.      | xvi. 322      | Smith, Wm.      | xii. 269     | Sussex,         |                 |               |              |
| Robbins, A.      | xvii. 330    |               | Sedgwick, R.    | xiii. 314     | Smith, Z.       | xiv. 322     | Duke of,        | xv. 307         |               |              |
| Roberts, E.      | xiii. 291    |               | Sedgwick, T.    | xii. 282      | Snow, P. W.     | xv. 330      | Sutherland, J.  | xiv. 323        |               |              |
| Roberts, J.      | xvi. 308     |               | Seeler, T.      | xii. 282      | Snyder, A.      | xviii. 328   | Suydam, A.      | xiii. 301       |               |              |
| Roberts, R. R.   | xv. 329      |               | Sealey, E.      | xiv. 323      | Snyder, A. W.   | xiv. 322     | Swan, B.        | xi. 319         |               |              |
| Robertson, A.    | xiii. 314    |               | Seely, E. P.    | xix. 351      | Sommerville, J. | xiv. 322     | Swan, S.        | xvii. 320       |               |              |
| Robin, M. J.     | xi. 317      |               | Senhouse, H.    |               | Southard, H.    | xiv. 322     | Swan, T.        | xii. 299        |               |              |
| Robinson, D.     | xvi. 308     |               | D. B. L.        | xiv. 296      | Southard, S. L. | xiv. 323     | Swan, T.        | xiv. 323        |               |              |
| Robinson, J.     | xvii. 329    |               | Sewall, D.      | xv. 315       | Southey, R.     | xv. 307      | Swetsler, P.    | xv. 331         |               |              |
| Robinson, J.     | xv. 330      |               | Sewall, H.      | xvii. 331     | Southwick, S.   | xii. 282     | Swett, W. G.    | xv. 331         |               |              |
| Robinson, J.     | xvi. 308     |               | Sewall, J.      | xii. 270      | Spangler, J.    | xv. 331      | Swift, A. J.    | xix. 359        |               |              |
| Robinson, T.     | xvi. 308     |               | Sewall, T.      | xvii. 331     | Speight, J.     | xix. 359     | Swift, B.       | xx. 328         |               |              |
| Robinson, W.     | xviii. 327   |               | Shackford, J.   | xiii. 301     | Spencer, A.     | xx. 337      | Sydenham,       |                 |               |              |
| Rochefort, R.    | xiv. 296     |               | Shackford, W.   |               | Spencer, I.     | xiii. 301    | Baron,          | xiv. 296        |               |              |
| Rogers, J.       | xiii. 301    |               | H.              | xiv. 322      | Spencer, J. C.  | xviii. 328   | Syme, A.        | xviii. 328      |               |              |
| Rogers, J. P.    | xix. 350     |               | Sharp, J.       | xviii. 327    | Spencer, T.     | xii. 298     | Tallmadge,      |                 |               |              |
| Rogers, N.       | xvii. 319    |               | Sharp, T.       | xiv. 297      | Spink, O.       | xix. 351     | D. B.           | xix. 351        |               |              |
| Romeyna, J. V.   |              |               | Shaw, P.        | xiv. 306      | Spitfatham, J.  | xi. 318      | Tallman, P.     | xiii. 314       |               |              |
| C.               | xii. 298     |               | Shaw, T.        | xv. 330       | Sprague, H.     | xx. 338      | Taney, J.       | xvii. 320       |               |              |
| Ronaldson, J.    | xiii. 314    |               | Shepard, C.     | xvi. 308      | Sprague, S.     | xv. 322      | Tappan, E. S.   | xix. 359        |               |              |
| Roosevelt, J.    | xix. 359     |               | Shepard, S.     | xviii. 342    | Sprague, S.     | xix. 359     | Tappen, J.      | xviii. 343      |               |              |
| Root, E.         | xix. 350     |               | Sherman, D. A.  | xvi. 302      | Sprigg, M. C.   | xviii. 328   | Taylor, A. R.   | xiii. 301       |               |              |
| Ropes, B.        | xvii. 330    |               | Sherman, R.     |               | Stacy, J.       | xiii. 301    | Taylor, E.      | xii. 289        |               |              |
| Rose, H. J.      | xi. 296      |               | M.              | xvii. 319     | Stafford, J. B. | xi. 305      | Taylor, H.      | xi. 300         |               |              |
| Rosaspina, F.    | xiv. 300     |               | Sherwood, C.    | xx. 337       | Stallard, R.    | xv. 331      | Taylor, J. M.   | xvi. 309        |               |              |
| Ross, J.         | xx. 328      |               | Shober, E.      | xviii. 342    | Stanard, R.     | xviii. 342   | Taylor, N.      | xii. 299        |               |              |
| Rossell, Z.      | xiv. 321     |               | Shurbrick, E.   |               | Standish, F. H. | xiii. 292    | Taylor, W.      | xviii. 343      |               |              |
| Rossell, Z.      | xv. 315      |               | R.              | xvi. 322      | Stanhope,       |              | Temple, J.      | xiv. 323        |               |              |
| Rossi, C.        | xi. 298      |               | Shunk, F. R.    | xx. 337       | Lady H.         | xi. 301      | Ten Eyck, A. S. | xvi. 323        |               |              |
| Rowan, J.        | xv. 330      |               | Shurtlaff, F.   | xix. 359      | Stark, C.       | xi. 305      | Ten Eyck, A.    | xv. 317         |               |              |
| Rowson, W.       | xiv. 321     |               | Shuttleworth,   |               | Stark, J.       | xvii. 319    | Ten Eyck, A. J. | xiv. 311        |               |              |
| Rude, W.         | xviii. 327   |               | P. N.           | xiv. 301      | Stearns, A.     | xi. 318      | Ten Eyck, S.    | xix. 323        |               |              |
| Ruffner, D.      | xv. 330      |               | Sickles, N.     | xvii. 332     | Stearns, F. W.  | xv. 316      | Tenney, C. J.   | xx. 328         |               |              |
| Ruggles, A.      | xii. 298     |               | Silliman, G. W. | xv. 316       | Stearns, J.     | xx. 338      | Terrett, J. C.  | xix. 351        |               |              |
| Rump, F.         | xiv. 306     |               | Silvester, F.   | xvii. 332     | Stebbins, C.    | xiii. 314    | Terry, N.       | xvi. 323        |               |              |
| Runnels, H.      | xii. 282     |               | Simmons, W.     | xv. 330       | Sterigere, D.   | xvi. 308     | Thacher, J.     | xvi. 323        |               |              |
| Russell, B.      | xvii. 330    |               | Simmons, W.     |               | Stephen, J.     | xvi. 322     | Thatcher, B. B. | xii. 299        |               |              |
| Russell, W.      | xii. 298     |               | H.              | xiii. 314     | Stephens, D.    | xii. 284     | Thatcher, P. O. | xv. 331         |               |              |
| Ruter, M.        | xi. 304      |               | Simms, J. D.    | xv. 330       | Stephens, P.    | xiv. 323     | Thaxter, S.     | xiv. 323        |               |              |

| Vols.<br>Years. | XI.<br>1840. | XII.<br>1841.     | XIII.<br>1842. | XIV.<br>1843.   | XV.<br>1844. | XVI.<br>1845.   | XVII.<br>1846. | XVIII.<br>1847. | XIX.<br>1848. | XX.<br>1849. |
|-----------------|--------------|-------------------|----------------|-----------------|--------------|-----------------|----------------|-----------------|---------------|--------------|
|                 | Vol. Page.   |                   | Vol. Page.     |                 | Vol. Page.   |                 | Vol. Page.     |                 | Vol. Page.    |              |
| Thayer, N. E.   | xiv. 323     | Van Kemper, N.    |                | West, N.        | xv. 332      | Willink, W.     | xiii. 293      |                 |               |              |
| Thayer, N.      | xii. 249     | G.                | xi. 298        | West, T. B.     | xv. 317      | Willis, H.      | xiv. 325       |                 |               |              |
| Thomas, A. J.   | xiii. 314    | Van Ness, J.      |                | Westcott, D.    |              | Willis, J. R.   | xvii. 320      |                 |               |              |
| Thomas, J.      | xviii. 329   | P.                | xviii. 344     | M.              | xiii. 315    | Willson, H.     | xx. 330        |                 |               |              |
| Thomas, P.      | xx. 329      | Van Rensselaer,   |                | Westcott, J. D. | xiii. 315    | Wilmot-Horton,  |                |                 |               |              |
| Thomas, S.      | xi. 319      | N.                | xx. 339        | Westmoreland,   |              | R. J.           | xiii. 295      |                 |               |              |
| Thomson, J.     | xiii. 292    | Van Rensselaer,   |                | Earl of         | xiv. 301     | Wilson, A.      | xiv. 326       |                 |               |              |
| Thompson, A.    | xx. 338      | S.                | xi. 316        | Weston, E.      | xiv. 325     | Wilson, J.      | xi. 319        |                 |               |              |
| Thompson, J.    | xii. 299     | Van Renaselaer,   |                | Weston, J.      | xi. 319      | Wilson, J.      | xx. 340        |                 |               |              |
| Thompson, J.    | xv. 331      | W. K.             | xvii. 329      | Wetherbee, D.   | xiv. 325     | Wilson, J. A.   | xiii. 315      |                 |               |              |
| Thompson, J.    | xviii. 329   | Van Shaick, J. B. | xi. 306        | Wetherbee, E.   |              | Wilson, J. L.   | xviii. 345     |                 |               |              |
| Thompson, J.    | xix. 351     | Van Zant, I.      | xx. 329        | B.              | xix. 360     | Wilson, L. D.   | xix. 360       |                 |               |              |
| Thompson, S.    | xvi. 309     | Vaughan, C.       | xi. 319        | Wetmore, W.     |              | Wilson, R.      | xix. 353       |                 |               |              |
| Thompson, S.    |              | Vaughan, Sir J.   | xii. 270       | C.              | xviii. 344   | Winchester, J.  |                |                 |               |              |
| H.              | xi. 319      | Vaughan, J.       | xiv. 306       | Wheaton, H.     | xx. 339      | B.              | xiv. 326       |                 |               |              |
| Thompson, W.    | xvii. 334    | Veney, T. W.      | xiv. 324       | Wheeler, C. L.  | xv. 332      | Winchester,     |                |                 |               |              |
| Thornon, S.     | xi. 294      | Vendramini, J.    | xi. 298        | Whitaker, W.    | xvi. 324     | L.              | xiii. 315      |                 |               |              |
| Throop, T.      | xix. 359     | Vick, B.          | xvi. 324       | White, E. D.    | xix. 360     | Winchester, S.  |                |                 |               |              |
| Thurston, B.    | xviii. 334   | Villers, L. de    | xii. 300       | White, G. J.    | xx. 330      | G.              | xiv. 307       |                 |               |              |
| Tichenor,       | xi. 305      | Vinton, J. R.     | xix. 359       | White, H.       | xiii. 301    | Wingate, Mrs.   | rv. 333        |                 |               |              |
| Tiernan, L.     | xii. 284     | Voorhees, R.      | xix. 324       | White, H. L.    | xii. 300     | Winn, J.        | xii. 284       |                 |               |              |
| Tilghman, E.    | xiv. 323     | Vose, R. C.       | xiv. 324       | White, J.       | xviii. 329   | Winn, J. T.     | xii. 301       |                 |               |              |
| Tillinghast,    |              | Wade, D. E.       | xiv. 324       | White, J. Blan- |              | Winship, J.     | xix. 360       |                 |               |              |
| J. L.           | xvii. 320    | Wadsworth, J.     | xvi. 324       | co,             | xiii. 294    | Winston, J. W.  | xii. 301       |                 |               |              |
| Tillinghast, S. | xiii. 314    | Waggaman, G.      |                | White, J. M.    | xii. 284     | Winthrop, A.    | xix. 353       |                 |               |              |
| Tipton, J.      | xi. 319      | A.                | xv. 331        | White, R.       | xvii. 320    | Winthrop, E. C. | xiv. 326       |                 |               |              |
| Tod, G.         | xiii. 315    | Waldo, D.         | xvii. 325      | White, S.       | xiii. 315    | Winthrop, T.    |                |                 |               |              |
| Todd, L. P.     | xviii. 343   | Walker, B.        | xii. 300       | White, T. W.    | xv. 333      | L.              | xiii. 315      |                 |               |              |
| Todd, S.        | xii. 299     | Walker, J. B.     | xix. 352       | Whitehead, S.   | xv. 334      | Wise, T. R.     | xvi. 324       |                 |               |              |
| Toler, R. H.    | xx. 338      | Walker, S.        | xiii. 315      | Whiting, J.     | xviii. 345   | Wisner, H. G.   | xiv. 326       |                 |               |              |
| Tomlins, T. E.  | xii. 285     | Wall, A.          | xiii. 301      | Whiting,        |              | Wolf, G.        | xii. 301       |                 |               |              |
| Tomlinson, D.   | xv. 317      | Wallcut, T.       | xii. 300       | Prof.           | xvii. 336    | Wood, J.        | xi. 300        |                 |               |              |
| Tompkins,       |              | Walley, T.        | xx. 339        | Whitman, B.     | xii. 300     | Wood, J. P.     | xi. 297        |                 |               |              |
| G.              | xviii. 343   | Walsh, M.         | xii. 300       | Whitman, J.     | xx. 340      | Wood, S.        | xii. 301       |                 |               |              |
| Tooley, H.      | xx. 338      | Walsh, W.         | xii. 284       | Whitman, L.     | xi. 319      | Wood, S.        | xiv. 307       |                 |               |              |
| Tooley, J.      | xvi. 323     | Walter, L.        | xiv. 324       | Whitman, L.     | xiv. 306     | Wood, S.        | xvi. 324       |                 |               |              |
| Torrey, C. T.   | xviii. 343   | Ward, A.          | xx. 329        | Whitney, A.     | xiv. 325     | Woodbridge, W.  |                |                 |               |              |
| Town, I.        | xvi. 323     | Ward, J.          | xviii. 344     | Whitney, J. P.  | xii. 360     | C.              | xviii. 329     |                 |               |              |
| Townsend, I.    |              | Ward, J. H.       | xx. 339        | Whitney, P.     | xv. 333      | Woodruff, A.    | xvii. 337      |                 |               |              |
| H.              | xix. 359     | Ward, S.          | xiv. 324       | Whittlesey, A.  | xiv. 325     | Woodruff, M.    | xii. 301       |                 |               |              |
| Townsend, M.    | xiv. 324     | Ward, S.          | xii. 294       | Whittlesey, S.  |              | Woods, J. S.    | xix. 353       |                 |               |              |
| Trecothick, J.  | xvi. 309     | Ward, T.          | xiv. 324       | G.              | xix. 360     | Woodward, A.    | xii. 301       |                 |               |              |
| Trimble, D.     | xv. 317      | Warden, D. B.     | xviii. 329     | Wilcox, D.      | xiv. 325     | Woodward, E.    | xiii. 301      |                 |               |              |
| Troy, A.        | xiii. 315    | Ware, H.          | xvi. 310       | Wilde, R. H.    | xx. 330      | Woodward, J.    | xiii. 301      |                 |               |              |
| True, B.        | xvii. 353    | Ware, H.          | xvii. 335      | Wilkie, D.      | xiii. 295    | Woodward, T.    | xiii. 301      |                 |               |              |
| Truesdell, S.   | xii. 284     | Warfield, H. R.   | xi. 319        | Wilkin, J. W.   | xvii. 337    | Woodworth, S.   | rv. 318        |                 |               |              |
| Trumbull, J.    | xvi. 309     | Warner, A. L.     | xix. 360       | Wilkins, A.     | xii. 300     | Wooster, B.     | xii. 301       |                 |               |              |
| Tucker, E.      | xvii. 335    | Warren, D.        | xv. 331        | Willard, A.     | xiv. 325     | Worcester, Bp.  |                |                 |               |              |
| Tucker, H. S.   | xx. 339      | Warren, S.        | xiv. 306       | Williams, D.    | xiv. 307     | of,             | xiii. 294      |                 |               |              |
| Tucker, I.      | xix. 352     | Warriner, G.      | xiv. 324       | Williams, E.    |              | Worcester, H.   |                |                 |               |              |
| Tuckerman, J.   | xii. 299     | Waterhouse,       |                | D.              | xiv. 325     | A.              | xiii. 316      |                 |               |              |
| Turner, A.      | xiii. 301    | B.                | xix. 352       | Williams, E.    |              | Worcester, L.   | xviii. 345     |                 |               |              |
| Turner, G.      | xv. 331      | Waterman, W.      | xvii. 336      | S.              | xvii. 337    | Worcester, N.   | xix. 360       |                 |               |              |
| Turnpin, W.     | xiv. 324     | Watrous, J. R.    | xv. 317        | Williams, J.    | xi. 319      | Wrangham, F.    | rv. 306        |                 |               |              |
| Turrill, S.     | xvi. 323     | Watson, E.        | xv. 317        | Williams, J.    | xiv. 325     | Wrede, Prince,  | xi. 296        |                 |               |              |
| Twiggs, L.      | xx. 328      | Watson, J.        | xiii. 315      | Williams, J.    | xvi. 311     | Wright, B.      | rv. 318        |                 |               |              |
| Tyler, L.       | xv. 317      | Watson, S. E.     | xx. 329        | Williams, J.    | xvii. 337    | Wright, E.      | xviii. 329     |                 |               |              |
| Tyler, R.       | xii. 284     | Webb, I.          | xii. 300       | Williams, J.    | xviii. 345   | Wright, J.      | xii. 301       |                 |               |              |
| Uncas, J.       | xv. 317      | Webber, E. A.     | xiv. 325       | Williams, J. G. | xii. 301     | Wright, J.      | xiii. 301      |                 |               |              |
| Underwood,      |              | Webber, R. W.     | xvi. 311       | Williams, J. W. | xv. 317      | Wright, S.      | xix. 360       |                 |               |              |
| N.              | xiii. 315    | Webster, E.       | xx. 329        | Williams, L.    | xiv. 325     | Wright, S. G.   | xviii. 329     |                 |               |              |
| Upham, S.       | xx. 339      | Webster, N.       | xv. 331        | Williams, R.    | xii. 301     | Wyattville, Sir |                |                 |               |              |
| Upshur, A. P.   | xvi. 323     | Webster, S. P.    | xiv. 306       | Williams, S.    | xii. 315     | J.              | xii. 271       |                 |               |              |
| Vail, D. W.     | xiv. 324     | Weir, E.          | xi. 319        | Williams, W.    |              | Wycoff, H. J.   | xii. 284       |                 |               |              |
| Valentine, W.   | xi. 319      | Weld, L.          | xvii. 320      | G.              | xix. 352     | Wyman, R.       | xiv. 326       |                 |               |              |
| Van Allen, I.   | xii. 284     | Welcker, G. L.    | xx. 339        | Williamson, I.  |              | Yancey, M.      | xiii. 316      |                 |               |              |
| Van Arsdale,    |              | Welles, S.        | xiii. 315      | H.              | xvi. 324     | Yarrow, T.      | xiv. 307       |                 |               |              |
| E.              | xviii. 344   | Wellesley, Mar-   |                | quess,          | xv. 304      | Yates, F. H.    | rv. 303        |                 |               |              |
| Van Cortland,   |              | Wells, G. W.      | xv. 332        | G. A.           | xiii. 301    | Yeates, T.      | xii. 270       |                 |               |              |
| S.              | xii. 284     | Wendell, R. H.    | xx. 339        | Williamson, J.  |              | York, I.        | xix. 353       |                 |               |              |
| Vanhining, H.   | xii. 300     | Wesmer, F. E.     | xiv. 323       | W. D.           | xviii. 345   | Young, P.       | xix. 326       |                 |               |              |
| Van Horne, A.   |              |                   |                |                 |              | Youngs, S.      | xii. 284       |                 |               |              |

## ADDITIONS AND CORRECTIONS.

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Page 99. — James G. Berret is chief clerk in the Pension Bureau.

Pages 110, 111. — J.S. Simonson is Major of the Mounted Riflemen, *vice* G. B. Crittenden, and George Andrews of the 7th Inf., *vice* Thomas Noel.

Pages 111, 112. — The military geographical divisions have the same dividing line, the new territory being added to the Western Division. General Scott has charge of the Eastern Division, head-quarters at New York. General Taylor commands the Western Division, head-quarters at or near New Orleans. General Gaines commands Departments 3 and 4, head-quarters at Baltimore. General Wool, Departments 1 and 2, head-quarters at Albany. General Twiggs commands No. 8, and General Kearny No. 6, head-quarters at St. Louis. New Mexico constitutes Department No. 9, California No. 10, and Oregon No. 11.

Page 121. — J. L. Martin, *Chargé d'Affaires* at Rome, is dead.

Page 125. — Señor Sergio Teixeira de Macedo has been appointed Envoy Extraordinary and Minister Plenipotentiary of Brazil to the United States, and Don Luis de la Rosa, Minister Plenipotentiary of Mexico.

Page 128. — O. L. Dabelsteen is Vice-Consul of Mexico for New Orleans.

Page 168. — J. D. Field, Jr., is coiner of the Branch Mint at Dahlonega.

Pages 105, 106, 215. — *District Courts of Georgia*. — The State is divided into two Districts; viz. the Southern, with a court held, as now, at Savannah, and the Northern, with a court at Marietta, on the second Mondays of March and September.

Pages 106, 214. — *District Courts of Alabama*. — There are three Districts; viz. the Southern, with a court, as now, at Mobile; the Middle, with a court at Montgomery; and the Northern, with a court, as now, at Huntsville.

Page 225. — Hon. Ether Shepley is Chief Justice, *vice* Ezekiel Whitman, and John Howard, of Portland, Justice, *vice* Ether Shepley.

Pages 191, 231. — Carlos Coolidge is Governor of Vermont. Term ends October, 1849. Robert Pierpoint is Lieutenant-Governor. The other State officers are reelected.

Page 248. — *Common Schools in New York*. — The reported number of school children in the State, of all ages, taught some portion of the year 1846 in the common schools, was 748,387. Number of organized school districts, July 1, 1847, 11,052. Number of school-houses inspected, 9,716. Of these, 7,996 were of framed wood, 591 of brick, 617 of stone, and 512 of logs. 3,881 were in good repair, 3,098 in ordinary repair, and 2,748 in bad repair. The average monthly wages of teachers in 1848 was for males \$15.95; for females \$6.99. Number of volumes in the school libraries, January 1, 1847, 1,310,986; increase during the year, 107,847 volumes. The supposed average cost per volume in 1846 was \$0.87 nearly. Number of private schools in the State, 1,704; average attendance in each, a fraction over 16 scholars. There are, besides, schools for colored children and for Indians, supported at the expense of the State.

Pages 191, 253. — W. F. Johnston is Governor of Pa. Term ends 1851.

Page 310. — *Judges of the Circuit Courts of Wisc.* — Hon. A. W. Stow, of the 4th District, Chief Justice. E. V. Whitton, of the 1st District; Levi Hubbell, of the 2d; C. H. Larrabee, of the 3d; and M. M. Jackson, of the 5th, Justices. J. R. Brigham, of Madison, is Clerk of the Supreme Court.

Page 321. — Lines 7-10 from bottom, Barons Gray and Elphinstone should be marked \*, and Erne and Desart †.